

CITY OF FALLS CHURCH

Five-Year Capital Improvements Program

Fiscal Years 2015 – 2019

Presented to the
City of Falls Church Planning Commission
February 3, 2014

Introduction

The development of the City's Five-Year Capital Improvements Program (CIP) allows the City to take the shared and competing visions for the development of our public facilities through a disciplined evaluation process. By identifying projects and capital needs several years into the future, the City accomplishes the following objectives:

- Cost estimates for long-term objectives and identified needs are linked to available resources, and placed on a schedule for implementation;
- Major expenditures are scheduled in the context of a balanced Annual Operating Budget and a five-year financial forecast.

Capital projects are defined as a new, one-time project with a useful life of more than **five** years, and costing **\$150,000** or more. The cost estimates included in the CIP are intended to capture the entire estimated project cost, including, as applicable, land acquisition, design, negotiated agreements, and construction. The total request for each project is evaluated and, based upon funding, is prioritized to meet the needs of the City.

The projects contained in the CIP support the goals and objectives outlined in the City's Comprehensive Plan and are intended to establish the long-term spending priorities identified by the City Council and are consistent with their 2025 Vision/Comprehensive Plan/Strategic Plan as well as adopted Financial Policies.

Key Policy Decisions

The Five-Year CIP for the period of FY2015 through FY2019 continues with some past commitments as well as addresses new and significant challenges. As with last year's CIP, major funding is provided for City public facility improvements, transportation improvements on the primary corridors, storm water mitigation and park improvements; primarily funded through grants, debt or enterprise funding. *The overarching budget theme continues the financial foundation stabilization and a funding commitment to capital infrastructure. This CIP proposes initiatives for the restoration of deferred system integrity work to begin as well as establishing a long-range project and funding plan for facilities but highlights the financial and staff capacity challenges.*

The financial challenges have driven what and how projects can be funded; however, strong planning underpinnings remain important to address the long term infrastructure needs of the City.

An overview of some of the major policy discussions in this CIP are provided below:

Implementing Financial Policies:

City Council has placed a strong focus on restoring the financial stability of the City as expressed in its adopted Vision statement on Sound Finances, the FY2015 Budget Guidance and the 2011 Financial Policies. The FY2015 Budget Guidance places strong emphasis on planning for and funding the City's infrastructure.

In December 2011, the City Council adopted a revised Reserve Fund Balance Policy that sets limits on the minimum size of the reserve balance. This policy also states that reserve funds shall only be used for one-time expenditures, as opposed to recurring expenses. The resolution states:

- The unreserved, undesignated General Fund Balance goal shall be seventeen percent but not less than twelve percent of the actual General Fund expenditures for the then current fiscal year.
- The City shall establish a Capital Reserve Fund at a minimum of 5% of fixed assets or \$3.75M, whichever is lower. The City shall meet this goal by FY2021 through annual appropriations of \$500,000, and thereafter appropriate no less than \$375,000 per annum to capital reserve. The capital reserve fund balance shall be used to pay for projects in the Capital Improvements Program or for debt service for those projects.

The debt service policies were not significantly changed and can be summarized as follows:

- General Fund supported debt shall not exceed five percent of the net assessed valuation of taxable property in the City.

- Annual debt service expenditures for all General Fund supported debt shall not exceed twelve percent of total General Fund and School Board Fund expenditures.
- The term of any bond issue will not exceed the useful life of the capital project, facility or equipment for which the borrowing is intended.

It is worth noting that “debt capacity” in terms relating strictly to policy guidance does not address the separate *issue of affordability within current tax rates* so the CIP has been developed with both policy compliance and affordability in mind. The ratio of annual debt service to total General Fund expenditures is a constraint that bears close attention. This ratio is used by bonding agencies to assess fiscal health, and must be used by the City to assess the affordability of specific projects and the five-year CIP as a whole. The projects in this FY2015-2019 CIP stay within the City’s policy constraints based on the assumptions used in this forecasting tool.

The proposed FY2015-2019 CIP is within policy compliance and within affordability range with an ongoing financial commitment to capital investment; however, the George Mason High School and Mary Ellen Henderson Middle School will require a targeted financing plan of which the City can only absorb 50% or less of the costs as debt. The school financing plan will evolve as the boundary line adjustment/school taskforce establishes the process for addressing revenue from economic development and partnership opportunities. If all projects were included, the debt policy would not be in compliance nor would it be affordable and within the \$10M bank qualified cap per calendar year which makes the funds more “affordable” to obtain. Additionally, more than a five year debt financed plan is required so the City can retire or reduce debt service prior to taking on additional commitments.

Fiscal Challenges:

Although there are positive signs of economic recovery, local government recovery lags behind the private sector and there remain many unknowns from potential federal government down sizing and state funding reductions. Additionally, for the City, the revenues are growing slower than expenditure growth due to pressures from several sources such as competitive employee salary/benefit, City/VRS pension liabilities and school enrollment increases. Therefore, to address capital needs in this environment the CIP draws down the fund balance to the 17% policy level and allocates other one-time funding to capital. The actual dollar amounts per category are displayed on the 5-year Projection chart in Tab 3; the value for this CIP in terms of infrastructure projects and Sound Finances are clearly demonstrated.

Ongoing CIP project Implementation

There are several active CIP projects under development which are further described under the existing project status report below. However, new projects proposed within the FY2015-2019 CIP have taken constrained staff resources in mind and therefore phased, this is especially true in the area of transportation.

Recreation and Parks:

There are \$1.2M in park improvements and \$1.075M of open space funding in this five year CIP (must be re-appropriated due to 3-year inactivity). An additional \$1M for Open Space was requested but is available only if proffers, grants or other non-local revenues sources are identified. These projects are spaced to cover one significant effort per year. The Recreation and Parks Advisory Board submitted recommendations are noted under Tab 9.

Information Technology:

The City as a whole enterprise-wide provides all communication services to its citizens on significantly aged equipment and infrastructure, which includes these segments: Public Safety, General Government operations, Public Schools, and the community public Library. The core goal of this function is to sufficiently modernize and provide appropriate IT infrastructure to properly service the citizens of Falls Church and the greater community.

This specific FY2015 project is a mandatory systems upgrade of the Police Department's Computer Aided Dispatch (CAD), Records Management System (RMS) due to lack of equipment supportability and expiring required support. These core systems call dispatching, incident tracking and management, and complete record history of all incidents and contacts which are required to be maintained. This project will address the mandatory upgrade and modernization of the software and server infrastructure, along with upgrading supporting core infrastructure to support proper continuity of operations (COOP) of those systems along with the infrastructure to the mobile CAD terminals (MCT) in field operations. This is not replacing any of the in the field MCTs or other base Police Department PCs, but rather the required software and supporting core and redundant infrastructure for required operations. The cost estimate is \$270,000. See Tab 4.

Transportation:

Previously, the City has organized transportation CIP items at the "project" scale, with each project being connected to a single source of grant funding. Moving forward, staff recommends collecting individual projects into CIP "programs". This reorganization will allow the City to more easily focus investment in specific areas of the City and to coincide with the geographic Planning Opportunity Areas identified in the Comprehensive Plan. For example, the draft CIP includes a program for the South Washington Street Planning Opportunity Area (POA). In addition to focusing investment in specific areas of interest, organizing the CIP by program will enable staff to better plan for future expenditures, identify funding needs, and give the City greater flexibility in project scheduling, capitalizing on funding opportunities and allowing staff to coordinate related projects.

Infrastructure specific CIP programs were also identified to account for projects that involve infrastructure systems on a City-wide scale and may not be confined to a single Planning Opportunity Area. The Transit Program and Traffic Signals and Signs Programs are examples of City-wide infrastructure programs. Existing CIP projects that are currently underway were aligned with the new program framework. An

analysis of existing staff capacity to manage existing projects was conducted to determine a realistic schedule for implementation. The proposed transportation CIP realistically schedules project implementation based on project priorities and existing staff levels.

With the adoption of HB 2313 in 2013, the City will receive additional transportation funds through the Northern Virginia Transportation Authority (NVTA). By maintaining existing levels of transportation funding match leverage, the City will receive approximately \$2.1M in additional funding each year. If the City increases local spending on transportation by \$0.9 million per year, it will receive an additional \$0.9 million each year. Further, the \$0.9M in local funding can be used to leverage state and federal grant opportunities, which typically have match levels ranging from 50/50 to 80/20. This means that if the City elects to access the maximum benefit available, an additional \$5M in transportation funding each year will likely be made available to the City. The proposed CIP does not recommend adopting the Commercial Transportation Tax overlay but rather to use the option of the equivalent funding as part of the overall tax base to reflect the City-wide benefit; this has been proposed to be budgeted at approximately \$800K/year

In order to utilize new funding opportunities and meet current funding opportunity demands, staff recommends hiring two additional FTEs to provide additional resources in project management, grants management, grant program identification, and transportation planning. This increase in staffing would allow the City to make better use of new funds and reduce delays in the delivery of previously appropriated projects. See Tab 8 for detail explanation, schedule and program descriptions.

Schools:

In 2013, the expansion and renovation of Thomas Jefferson Elementary School was completed and the Cherry Street project design and site plan work was begun.

The School Board continues their long-term planning for school facility needs to prepare for the future round of construction and updated enrollment projections and facility needs in 2015 onward. This planning effort included 2009 funding for an enrollment study which was consolidated into the FY2008 long-term facilities study which was completed in 2011. These two efforts form the foundation for concept options and funding for school facility planning and potential construction (new/renovation). The Superintendent has worked closely with staff and the School Board to reassess the current enrollment as well as physical maintenance and space needs and has proposed some new direction to address the facility needs within the financial constraints, the options will entail good community dialog on the revised facility plan. The School Board adopted their recommended 5-year Facility CIP in December, 2013. The FCCPS CIP includes funding for Thomas Jefferson HVAC system, increase in plans for Mt. Daniel to accommodate elementary student enrollment growth as well as funding for George Mason High School and Mary Ellen Henderson Middle School projects. The high and middle school projects, which total \$104.5 M, will require a dedicated school financing plan that evolves through the planning and economic development of the new boundary line adjustment resulting from the water sale therefore the debt service is not calculated into the proposed CIP. In order to stay within policy compliance, less than 50% of the costs can be debt so other revenues and/or partnerships will need to be pursued.

Library:

The Mary Riley Styles Library Board of Trustees worked with consultants in FY2013 to develop a Master Plan for the Library which also included a review of a 2008 Space Study and extensive public consultation. The goal is a library for the future that accommodates City growth and adheres to the City's Comprehensive Plan. The original Library building was constructed in 1957 and expanded in 1968 and 1992 to meet changing demands. The facility analysis conducted as part of the Master Plan process portrays a building that is: ADA deficient in many aspects and in need of many infrastructure repairs or replacements; it lacks storage and sufficient security systems and measures, space for large audiences which routinely occur weekly during story hours, study spaces for students after school and on weekends, larger public restroom space; and Local History room space. Shelving is too high, the elevator is old and unreliable, and the heating/air conditioning system does not work properly.

The Master Plan concludes that additional space is needed to support current and projected future functions, and that the Library should add 14,500 square feet to its existing 18,500 square foot facility to bring its size to 33,000 square feet. In addition to adding square footage, the Master Plan recommends upgrades to the existing building. Therefore, the Library Board's preferred option, which best meets the many needs for an improved facility over the coming years is Conceptual Design Proposed Plan A which consists of razing the existing building, rebuilding a new 33,000 GSF two story building on a larger footprint in its current location with the entrance relocated to Park Avenue. The new building would have a minimum LEED rating of Silver. The cost estimate is \$18.6M and includes temporary relocation of the library functions during the two year construction period.

Storm Water Infrastructure:

In many parts of the City, the storm water system is aging, undersized, and unable to convey the standard 10-year storm event. These deficiencies result in frequent flooding along some of the City streets and damage to private property. As the City carries out repairs to its existing storm water infrastructure, there will be opportunities for the implementation of measures that will improve water quality. As appropriate to individual circumstances, this might include daylighting streams, creating bio-engineered streambeds and storm water detention and infiltration systems. CIP funding for storm water improvements increases the ability to implement necessary water quality measures and infrastructure replacement/upgrades. The Watershed Management Plan, authorized by Council, has been adopted and the recommendations of this Plan will help formulate a strategy for projects and Council has established the enterprise fund, set the rates, and created the credit policy. Additionally, two federal grants (FFY09 and 10 State and Tribal Assistance Grants [STAG]) awarded to the City address some of the most critical needs for Coe and Pearson branches.

Sanitary Sewer Fund (CIP no longer includes a water fund):

The Sewer Fund is impacted by EPA-mandated projects to upgrade the Arlington and Alexandria wastewater treatment plants that the system uses. Ongoing repair and reinvestment in the existing pipes will continue per the rehabilitation plan. In addition, the purchase of additional wastewater treatment capacity to accommodate projected future flows resulting from development in the City will impact the Fund in FY2016 at the earliest, as well as plans to increase the reserve fund for sewer rehabilitation.

Existing Projects Status

The following provides an update on the January 2014 status of CIP projects authorized for FY2013 and prior.

Recreation and Parks:

Acquisition of Open Space

<u>Scope:</u>	In September of 2004, the City Council appointed a task force on Open Space Acquisition. Previous purchases include what is now Howard E. Herman Stream Valley Park, two parcels of land purchased to increase the size of Crossman Park, the purchase of an easement on property on Lee Street for park access purposes, and a purchase of land to allow Coe Branch and Tripps Run to connect. Future uses of these funds would be used to increase current park land, provide parking for Roberts Park, and provide an additional access point to Roberts Park or West End Park and additional space where we can build additional rectangular playing fields.
<u>Cost:</u>	\$2,000,000 has been determined by the Open Space Task Force as a worthwhile amount to keep in a revolving fund to be considered in FY15-19 CIP.
<u>Schedule:</u>	As parcels become available.
<u>Status:</u>	The City is currently working with the owner of 500 Lynn Place as a possible purchase to allow for parking at Roberts Park.

Park Master Plan Implementation

Lincoln Park Improvements:

<u>Scope:</u>	Replace play equipment; improve ADA accessibility
<u>Cost:</u>	Initial cost estimate \$200k; (note: \$26k insurance claim to be filed)
<u>Schedule:</u>	Construction: Spring, 2013.
<u>Status:</u>	COMPLETED April 2013.

West End Park Improvements:

<u>Scope:</u>	Increase park visibility by adding a Broad Street entrance, tie two separate park parcels into one; improve ADA accessible, add skate park features, new pathways.
<u>Cost:</u>	Initial cost estimate \$545k.
<u>Schedule:</u>	Bid documents underway, contractor selection by mid-March, construction to begin late spring, plantings in the fall.
<u>Status:</u>	Currently on schedule.

Howard E. Herman Stream Valley Park

Scope: Provide a trail that runs from Broad Street to the City's Bike Trail, adjacent with Tripps Run, interpretive signs, park signs, benches and trash receptacles and a more visible entrance to the park from Broad Street would be established.

Cost: \$634,500

Schedule: Some projects such as the completion of a foot bridge and other practical projects will be completed summer 2014 in conjunction with the current daylighting work being done. The remaining Engineering and Design will take place Summer 2015 and Construction will be Fall 2016.

Status: Working with Public Works to determine which projects should be completed in conjunction with daylighting.

Frady Park Gazebo Replacement

Scope: Frady Park Gazebo was destroyed in Derecho storm.

Cost: \$32,300 (Insurance claim for \$30k has been received)

Schedule: Complete by January 2013

Status: **COMPLETED** November 2012

Berman Park Trail Re-paving, Irving to Kent Streets

Scope: New pavement for trails in Berman Park.

Cost: \$35,000

Schedule: Completion Spring 2014.

Status: Half of the trail is completed. Second half will be on the next cycle of hot asphalt pouring.

TJ Soccer Field Turf Repair:

Scope: Replace sod with Bermuda grass (similar to Madison Park).

Cost: \$35,000

Schedule: Completion Fall 2013 (at end of TJ Expansion project).

Status: **COMPLETED** September 2013.

Tennis Court and Basketball Court Major Restoration

Scope: New surface overlay and painting for all exterior courts.

Cost: \$100,000

Schedule: Quotes being obtained now, work to be completed Summer 2014.
Status: On schedule

Softball/Baseball Field Lights

Scope: Install new lights and poles at GMHS baseball and softball fields.
Cost: \$360,000 (City funds: \$110,000).
Schedule: installed and operational for spring 2013 season.
Status: **COMPLETED.**

Master Park Improvements

Scope: Replace signage at entrances to Parks and Community Center improve recycling at parks by adding recycling bins, and add color to parks.
Cost: Varies per project within annual allocation.
Schedule: A third of all park signs have been replaced. Recycling bins are added yearly (six done in 2013) and plantings are done to add color.
Status: On schedule

Storm Water Projects

100 Block West Broad Repair/ Water Detention Project

Scope: Repair collapsed pipe in front of BB&T and create capacity within the existing system in order to mitigate local street flooding in 100 block of W. Broad.
Cost: Preliminary designs and costs estimates underway.
Schedule: Survey: Complete
Engineering Design: Underway.
Construction Start: June 2013.
Project Completion: October 2013 .
Status: Additional survey work was required in August 2013. City consultant has updated stormwater model and design alternatives provided for consideration. Awaiting cost estimate since solution is more involved than initially thought.

Reagan Branch 42” Storm Water Pipe Replacement

Scope: Replace 260 linear feet of aged and degraded 42” pipe on the TJ Elementary School Campus.
Cost: \$116,000
Schedule: Survey: Complete.
Engineering Design: Underway.
Construction Start: Concurrent with TJ Construction Project.
Project Completion: Concurrent with TJ Construction Project.
Status: **COMPLETE** December 2013

Douglas Avenue Water Detention Project:

Scope: Rebuild storm water conveyance in basin to mitigate flooding on the street and surrounding businesses located in Tower Square shopping center.
Cost: \$350,000 (preliminary estimate)
Schedule: Survey: January 2013.
Engineering Design: January 2014.
Construction Start: June 2014.
Project Completion: October 2014.
Status: Storm Sewer CCTV complete. Additional survey work was required in August (overlap with W. Broad St. project). City consultant has updated stormwater model and design alternatives provided for consideration. Awaiting cost estimate since solution is more involved than initially thought.

City Hall Campus Water Detention Project:

Scope: Detain stormwater run-off from City Hall Campus to reduce flooding on neighboring downstream properties (Phase 1).
Cost: \$470,000 (preliminary estimate)
Schedule: Survey: complete.
Engineering Design: Underway
Construction Start: November 2014 (tied to R&P usage schedule)
Project Completion: January 2015
Status: Preliminary design complete and engineering design underway; soliciting a landscape architect for re-vegetation plan.

Pearson Branch Stream Restoration:

Scope: Provide a stabilized stream channel and banks through natural stream design.
Cost: (see Coe Branch Daylighting)
Schedule: Survey: Completed
Engineering Design: 95% complete
Construction Start: May 2014
(Tied to Coe Branch Daylighting Project)
Project Completion: October 2014
(Tied to Coe Branch Daylighting Project)

Coe Branch Daylighting:

Scope: Create a new, natural stream channel with plantings to improve water quality and create an attractive feature in Howard Herman Stream Valley Park. The existing underground pipes will be used during high water events to mitigate area flooding.
Cost: Combined with Pearson Project, above: \$1.8 million, funded by EPA grant.
Schedule: Survey: Spring 2013
Engineering Design: 95% complete
Construction Start: May 2014
Project Completion: October 2014
Status: Resolving RPA issues and then IFB to be issued

Transportation

West Broad and Pennsylvania Ave Signal:

Scope: Install new traffic signal at Penn and Broad and ancillary crosswalks and streetscape amenities.
Cost: \$500,000 for Signal (\$100,000 in voluntary concessions, VDOT Revenue Sharing grant, and City funds.)
Schedule: Survey: Completed
Engineering Design: Completed
Construction Start: January 2014
Project Completion: June 2014
Status: The City awarded a contract to Fort Myers Construction in the fall of 2013. The notice to proceed has been issued and the signal is due to be completed by the end of June 2014.

400 West Broad St Streetscape:

Scope: Install streetscape amenities in the 400 block of W. Broad Street.
Cost: Total project cost \$1,000,000. Existing grant fund for \$185,000 (Federal TEA-21 Grant)
Schedule: Survey: Completed
Engineering Design: 30% design completed
R/W acquisition: Not yet begun.
Construction Start: Winter 2018
Project Completion: Summer 2018
Status: 30% design shows the extent of the impacts necessary to incorporate 20' streetscape into existing conditions. A multitude of obstacles exist which complicate the design. Any easements necessary must be procured in accordance with federal requirements. This project is proposed to be postponed due to extensive project management time required, and lack of funding at this time.

MEHMS Traffic Flow Improvements

Scope: Provide new exit from MEHMS, to reduce traffic volume and car/pedestrian conflicts on the school campus.
Cost: Local Funds: \$97,000
Schedule: Engineering Design: Completed
R/W acquisition: N/A
Construction Start: Summer 2017
Project Completion: Fall 2017
Status: This land is now within City of Falls Church jurisdiction so coordination with Fairfax County is no longer needed. Previous SRTS funding has been replaced with local funding so that VDOT review and federal procurement requirements will no longer apply. Easement/ agreement with WMATA must be finalized. This project is proposed to be postponed due to reprioritization of transportation projects; school coordination required.

Roosevelt Avenue Intersection and Sidewalk Improvements

Scope: Rebuild intersection of Roosevelt Blvd & Roosevelt St, and intersection of Roosevelt St. and East Broad St.; improve ADA pedestrian route from Roosevelt to Broad.
Cost: \$630,000 (\$300,000 RSTP funds; \$330,000 Highway Safety funds).
Schedule: Engineering Design: July 2014
R/W Acquisition: December 2014
Construction Start: March 2015

Status: Project Completion: Summer 2015
30% design complete. Community meeting held. Specific outreach conducted with Madison Condominiums and Oakwood Cemetery. Final design is underway.

N. West Street Sidewalk Project

Scope: Provide pedestrian improvements along the North West Street Corridor.

Cost: Safe Routes to Schools Project Funds: \$361k (with option to use RSTP and SYIP Funds to increase)

Schedule: Engineering Design: Delayed until Summer 2017 (staff work prioritization and potential tie-in to redevelopment)
R/W Acquisition: Fall 2017
Construction Start: Spring 2018
Project Completion: Summer 2018

Status: Survey, deed research, parking study, 30% design complete. Tree inventory and assessment complete. Various design options have been depicted on illustrative exhibits. Community meetings held in November 2012 and November 2013. Recommended alternative would provide curb bump outs at key intersections and new pedestrian crossings across West Street, with no new sidewalk. Planning Commission directed staff to consider other alternatives, including modifying the existing sidewalk on the southeast side of the street to provide access around existing utility poles, which obstruct sidewalk. Additional input is needed to finalize scope, schedule and funding.

South Washington Street Improvements

Scope: Construct intermodal plaza at Hillwood and S. Washington; install traffic signals, pedestrian crossings, and ADA curb ramps at Maple, Greenway, and Tinner Hill intersections (coordinated with redevelopment; improve bus stops on S. Washington St).

Cost: \$2,085,000 in state (DRPT) and federal (FTA) funding; and \$490,000 in state SYIP funds. (Additional funds in proposed CIP for streetscape, utility undergrounding for separate phase).

Schedule: Phase 1 Engineering Design: Underway.
Construction Phase 1: Fall 2014.
Phase 1 Complete: Fall 2015.
Phase 2 Engineering Design: Fall 2014.

Status: Public meetings held in January 2013 and May 2013 to provide project update to community. Conceptual design completed June 2013. Final engineering, survey, and design to be completed in Summer 2014. Multiple meetings and ongoing coordination are underway with VDOT and Fairfax County. Ongoing coordination with developer of the Reserve at Tinner Hill.

South Washington/ Maple Ave Intersection

Scope: Construct new signalized intersection, including realignment.
Cost: \$150,000 in Revenue Sharing and private developer voluntary concession. Total project cost is \$1M.
Schedule: Engineering Design: Currently in design phase.
R/W Acquisition: Spring 2015
Construction Start: Spring 2016
Project Completion: Summer 2016
Status: Conceptual Design options complete. Preliminary meetings have been held with Parks & Rec and the Aurora House to discuss the impact of the realignment of South Maple Ave. To proceed with final design, additional funding is needed and concurrence of the design concept.

Route 7 High Capacity Transit Study

Scope: Analyze the feasibility of providing high capacity transit along Route 7 from Tysons Corner to Alexandria.
Cost: \$437,500 – total phase 1 cost (federal, state and local money)
\$10,937 – City of Falls Church share of the required local match
\$838,000 – total phase 2 cost (NVTa funded)
Schedule: Phase I completed in October 2013
Phase II expected to begin in 2014
Status: The Northern Virginia Transportation Authority (NVTa) coordinated a preliminary study of the feasibility of providing high capacity transit along Route 7 from Tysons Corner to Alexandria. The study identified two routes through the City. One stays on Broad Street. The other follows North Washington Street and Roosevelt Boulevard to access the East Falls Church Metro Station. The study also identified two possible vehicles, Bus Rapid Transit and Streetcar. Phase II funding will be provided by the Northern Virginia Transportation Authority (NVTa). The project will begin in calendar year 2014.

Traffic Signal Management System (a.k.a. Closed Loop Phase 1):

Scope: New traffic signal management system to link existing traffic signals to centralized computer network to facilitate efficient coordination and timing adjustments.
Cost: \$450,000 Funded by CMAQ, and RSTP funds.
Schedule: Construction Start: December 2013.
Project Completion: May 2014.
Status: Construction contract has been expanded to include new underground fiber budgeted by IT which will provide benefit to the project (coordinated with Library and Aurora House IT fiber project). Notice to proceed has been issued. Construction is underway.

Remote Video Monitoring (a.k.a. Closed Loop Phase 2):

Scope: Install video cameras on select traffic signal poles, to be tied to the Closed Loop signal system, for remote monitoring of traffic conditions.
Cost: \$258,556 RSTP grant
Schedule: Engineering and Design: Spring 2014
R/W Acquisition: N/A
Construction Start: Winter 2015.
Project Complete: Summer 2015.
Status: Construction contract has been expanded to include new underground fiber budgeted by IT which will provide benefit to the project. Notice to proceed has been issued. Construction is underway.

Roadbed Assessment:

Scope: Rebuild and resurface roadways that are either poorly constructed or roadways that have reached the end of their structural life. This project is comprised of several allocations of Revenue Sharing Grant Monies.
Cost: \$2.2 million
Schedule: Engineering Design: Complete
Construction: Spring 2014
Status: The first phase of roadbed reconstruction will be South West Street. Procurement is complete and construction is scheduled for Spring 2014.

Bus Stops:

Scope: Implement the City's Bus Stop and Bus Shelter Master Plan by installing bus shelters at high priority stops.
Cost: \$705,000 to cover 20 locations identified as 2014 and 2015 priorities in the Master Plan
Schedule: Engineering Summer and Fall 2014
Construction: Spring, 2015
Status: Project start is waiting for the recognition/allocation of grant funds to begin work.

Facilities

Thomas Jefferson Expansion

Scope: Addition of 15 classrooms at TJ Elementary School
Cost: \$5.95 million
Schedule: Construction underway.

Status: Completion, Summer 2013
COMPLETE

Thomas Jefferson Renovation

Scope: Renovation of existing TJ Elementary School.
Cost: \$4 million
Schedule: Completion, September 2013
Status: **COMPLETE**

Cherry Street Pre-School Renovation:

Scope: Renovate the Cherry Street site to serve as the FCCPS pre-school facility
Cost: \$2.4M
Schedule: Design: Site plan under review December 2013; completion march 2014
Interior Demolition: February 2014
Construction completion: Summer 2014
Status: Staff is reviewing site plan submitted by FCCPS as well as A&E refinement along with community follow up

Mt. Daniel Elementary School:

Scope: Pursuing preliminary design, A&E, County land use/zoning approvals
Cost: \$1M FY14 (along with increased FY15-19 CIP request of \$14.5M)
Schedule: Design: Ongoing
Construction completion: TBD based on RFP and next CIP approval
Status: PPEA RFP issued January 2014

Library Space Needs Study:

Scope: Study of the future space needs for City Library
Cost: \$100,000
Schedule: Completed.
Status: Completed and draft report presented to the Library Board of Trustees in September 2013, to the Council in November 2013 and the Planning Commission in December 2013. Based on the report, the Library Board has submitted a CIP request for FY15 for Option1, razing and rebuilding a 33,000 sq. ft. facility on the current library site for \$18M.

City Hall/ Public Safety Renovations Phase I

Scope: IT server room fire suppression; correct water inflow foundation repairs; roof repairs for ice damming, gutter replacement; elevator replacement; Police evidence storage correction; Police IT Server Room HVAC replacement.

Cost: \$1 million

Schedule: Underway; Completion Summer 2014

Status: **Completed:** IT Sprinkler System; Chimney replacing facing plus water leakage repairs; Gutter/Downspouts; and Snow rail phase. Elevator modernization scope work is 90% completed - next steps are final scope and begin design, Police Evidence Storage design work is 90% completed - next steps are final design and construction

City Hall/ Public Safety Renovations Phase II

Scope: Sprinkler fire suppression; Phase 2 roof repairs for ice damming, energy efficient window replacement, water inflow Phase 2 foundation repairs, energy efficient HVAC systems for existing building and potential expansion

Cost: \$3.4M

Schedule: Completion for renovations Fall 2014; HVAC Summer 2015

Status: Project is in concept phase for consistency with expansion component.

City Hall/ Public Safety Expansion (Rear/Front) & Parking (Front)

Scope: Add new central front entrance to City Hall and add meeting rooms to address security, accessibility and way-finding needs. Add below grade parking spaces for Police, Sheriff, and Judge

Cost: \$1.6M front and \$1.2M parking

Schedule: Joint Schools General Government Facility Plan: November 2012; Issue RFP for Design and Engineering Summer 2013.

Status: Project is in 20% concept phase. Per Council direction, Dewberry is working on concepts for presentation to City management and community laying out the architecture and functionality prior to full A&E. Councilman Duncan's request for additional on-site option is concurrently under development.

General Government Facility Reinvestment:

Scope: Annual major maintenance reinvestment in City owned facilities.

Cost: \$560K (FY13/14)

Schedule: Varies based on sub-projects summarized below

Status: *Gage House:* basement insulation, joist repair, side door replacement, basement staircase railing rebuild, waterproofing of basement walls and trim work **complete**. Stone retaining wall for water diversion, paint and repair front porch in the spring, and ADA ramp redesigned to be completed Spring 2014.

Property Yard Garage: Structural repairs to columns, etc. on garage as well as enclose the first bay for use with stormwater vacuum/flush equipment **complete**.

Property Yard Exterior Stairs Structural Repairs: Replace concrete block stairs with covered metal staircase at Property Yard Maintenance Building in Spring 2014.

Library Humidifier Repair: Four units are operational- contractor to wire up to Energy Control System, 90% complete

Property Yard Roof Replacement: Replace the composite roof at the main yard, add two roof drains to tie in to existing cisterns (Spring 2014) and replace the composite roof over the shop as met life expectancy (FY15 pending funding).

Projects under design and cost development: Police lobby water seepage remediation, City Hall attic insulation to remediate heat loss, Property Yard Wash Bay and Community Center water heaters, Community Center HVAC, Community Center roof, Cherry Hill Farmhouse Lead Paint abatement and porch repair, Aurora House lighting upgrade, Aurora House stair lift.

Information Technology

Citywide Telecommunication & Infrastructure – Critical Continuity & Modernization Investment: Phase 1

Scope: Phase 1 FY13 funding is to replace aged out Police Communications (Dispatch) phone system. Also the \$50,000 portion is to replace failing fiber and copper infrastructure between City Hall and the Library for network and telephony.

Cost: \$550,000

Schedule: Design- 4th quarter FY13; Completion by 4th quarter FY14

Status: Police Communications portion; all jurisdictional visits by Police Department & IT were conducted and base requirements identified. Found solution can only be sole-sourced with Verizon due to the complexity and interdependency of Verizon lines & circuits, however Verizon has not been as responsive as needed to progress project further as originally planned. Currently we are trying to finalize required systems, circuits and equipment with Verizon so we can finalize the total cost and proceed to the implementation phase. The Library infrastructure connectivity replacement is now augmenting the Closed Loop traffic control system project as well to greatly increase security and reduce certain costs to that project, as well as expand its capabilities well beyond the signal control alone; this work is in progress.

Citywide Telecommunication & Infrastructure – Critical Continuity & Modernization Investment: Phase 2

<u>Scope:</u>	Phase 2 FY14 funding is to comprehensively update the telecommunication infrastructure citywide, including Public Schools, General Government and the Public Library. This would predominantly resolve end-of-life, service and maintenance issues with the existing phone system Citywide, and aid interoperability between the various City segments. Another key outcome would also provide updated and redundant connectivity options to the segments to provide the City more robust effective COOP/DR options. Also to directly tie a critical unconnected facility (Aurora House), where proper telecommunications is essential due to the court ordered residential custodial care of juveniles, and the requirement of proper security maintenance of their records. Currently we are not able to securely communicate due to the indirect connection which is a risk.
<u>Cost:</u>	\$507,000
<u>Schedule:</u>	Design- 4 th quarter FY14; Completion by 4 th quarter FY15
<u>Status:</u>	Finalizing best phone system replacement solution to provide best modernization features, cost benefit and support to City. The Aurora House connectivity has also partnered with the Closed Loop traffic control system project reduce future costs to that project and afford it greater expansion to the new signals planned to come in that area, and as with the other portion, further expand its capabilities for the City; this work is in progress.

Process Overview

The requirement for the annual consideration and adoption of a five-year Capital Improvements Program is provided in Section 6.19 of the City Charter, and Section 17.08 of the City Code. The inset below contains the relevant Code and Charter provisions:

Sec. 17.08. ... The city manager shall subsequently submit to the commission a proposed capital improvements program together with a report on the financial condition of the city, insofar as it may relate to any contemplated capital fund projects. In the preparation of its capital improvement recommendations, the commission shall consult with the city manager, the school board, the heads of departments and interested citizens and organizations, and shall hold such public hearings as it shall deem necessary. It shall submit its recommendations to the city council, at such time as the council shall direct, together with estimates of cost of such projects and the means of financing them, to be undertaken in the ensuing fiscal year and in the next four (4) years.

Sec. 6.19. Capital budget.

At the same time that he submits the current expense budgets, the city manager shall submit to the council a program previously acted upon by the city planning commission, as provided in Chapter 17 of this Charter, of proposed capital improvement projects, including schools, as defined in section 7.02 of this Charter, for the ensuing fiscal year and for the four (4) fiscal years thereafter, with his recommendations as to the means of financing the improvements proposed for the ensuing fiscal year. This program shall be termed the "capital budget" and may be adopted by resolution.

The adoption of the CIP by the City Council signifies the Council's identification of a set of priorities for capital spending over a five-year period. However, the City Council may delay or limit the construction or improvement of any proposed project over the course of the five-year period as economic conditions, available resources, and needs may dictate.

Organization

The CIP is intended to serve as a working document as it goes through the Planning Commission review. As a working document the CIP is presented in a notebook binder so that pages may be easily amended as staff incorporates the Planning Commission's comments and requests for information into the program.

The CIP is organized in a ten-tab format:

- Tabs 1 - 3 – Overview/ Existing Project Status, Financial Status/Polices, Project Recommendations and Financial forecasting tools
- Tabs 4 - 9 – Project Descriptions for the General Fund
- Tab 10 – Project Descriptions for the Utility Funds

The project categories were formatted to represent the function versus the department and to ensure an integrated and coordinated CIP between the General Government and Schools. For example all facility related projects are in one category versus split between Community Services, Public Works and Schools. Additionally the financial components are presented at the front of the CIP in order to provide the context in which the various infrastructure projects are considered.

Procedure and Schedule

The requirement for the annual consideration and adoption of a five-year Capital Improvements Program is provided in Section 6.19 of the City Charter, and Section 17.08 of the City Code. The inset below contains the relevant Code provision.

Sec. 17.08. ... The city manager shall subsequently submit to the commission a proposed capital improvements program together with a report on the financial condition of the city, insofar as it may relate to any contemplated capital fund projects. In the preparation of its capital improvement recommendations, the commission shall consult with the city manager, the school board, the heads of departments and interested citizens and organizations, and shall hold such public hearings as it shall deem necessary. It shall submit its recommendations to the city council, at such time as the council shall direct, together with estimates of cost of such projects and the means of financing them, to be undertaken in the ensuing fiscal year and in the next four (4) years.

The development of the CIP starts with each department head submitting to the City Manager a detailed listing of all immediate and long-range capital improvement needs, together with cost estimates and recommendations as to priority and timing of the projects listed. An additional factor to be considered is that CIP projects that are inactive for three fiscal years are either eliminated or must be re-appropriated. If an approved CIP has no expenditure activity for 3-years it must be re-appropriated. The Open Space and Property Yard Material Shed are in the FY15-19 CIP due to inactivity and change of funding source. The specific code section relevant to this issue is: "No appropriation for a capital improvement project contained in the capital budget shall lapse until the purpose for which the appropriation was made shall have

been accomplished or abandoned, provided that any project shall be deemed to have been abandoned if three (3) fiscal years elapse without any expenditure from or encumbrance of the appropriation therefor.”

Staff presentation of the CIP to the Planning Commission is scheduled for February 3, 2014. The Commission will evaluate the proposed CIP in the context of the Comprehensive Plan, and hold public hearing(s) to obtain community input. The Planning Commission will also conduct work sessions on February 3 and February 18, 2014.

The Planning Commission is scheduled to conduct the final public hearing and adopt its CIP recommendations on March 3, 2014 and forward them to the City Manager. Following the delivery of the Planning Commission recommendations, the City Manager will make his final CIP recommendation to the City of Falls Church Council as part of the overall presentation for the City's FY2014 operating and capital budget.

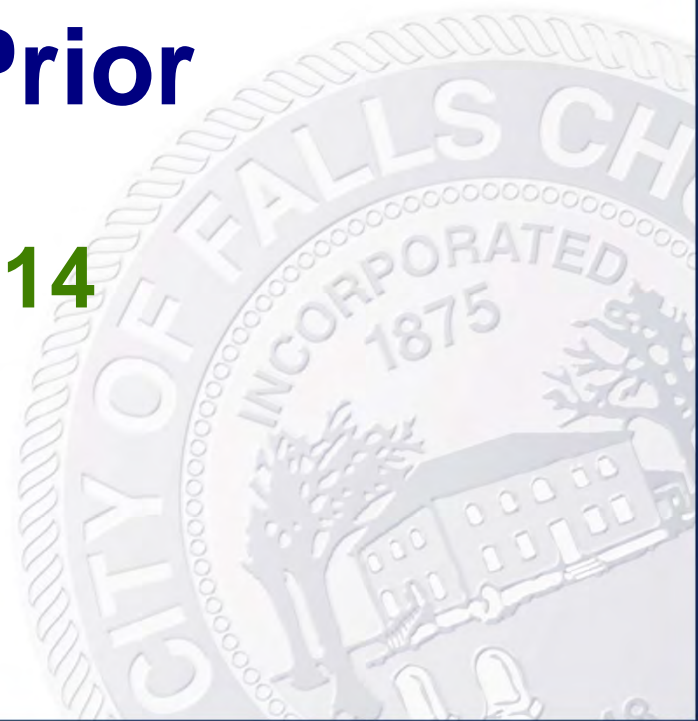
The City Council will then evaluate these recommendations and hold its public hearings in the months of March and April. Upon adoption by the Council, the Operating Budget and the Capital Improvements Program/Capital Operating Plan will go into effect at the beginning of the new fiscal year on July 1, 2014. The Operating Budget and CIP are scheduled for concurrent adoption on April 22, 2014. However, given the impact of the final tax rate and expenditure reductions on the undesignated fund balance the Council has the option to separate the CIP adoption, by no more than 28 days per City Code Section 6.19, from the operating budget so an alternative adoption date might be not later than May 12, 2013. The full tentative budget calendar is posted on the City website at: <http://www.fallschurchva.gov/budget>.

Staff will provide a report to the Planning Commission at the end of the process, after Council has adopted the final Operating Budget and CIP, to review the final document. It is anticipated that this final report will be made in May 2014.

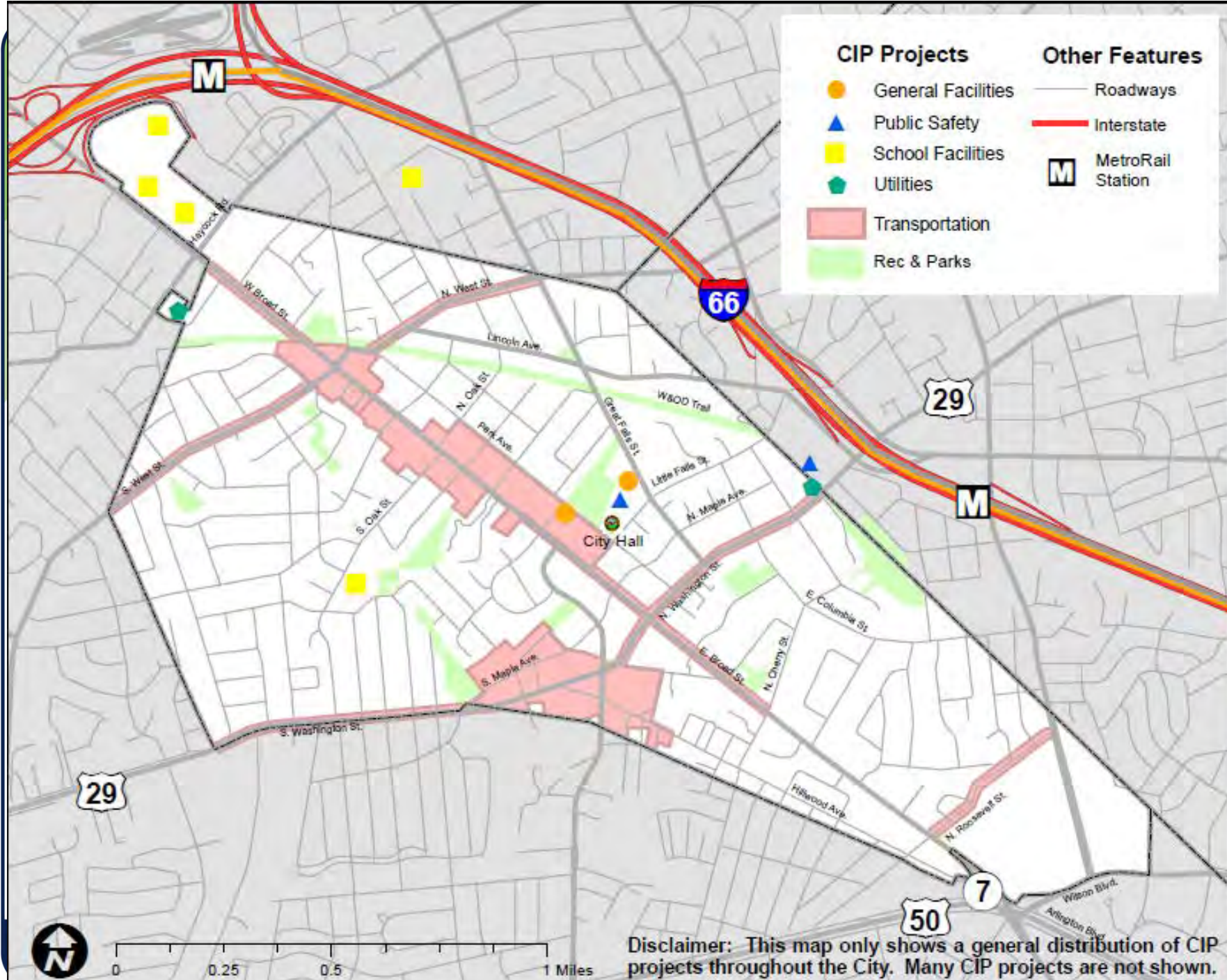
The adoption of the CIP by the City Council signifies the Council's identification of a set of priorities for capital spending over a five-year period. However, the City Council may delay or limit the construction or improvement of any proposed project over the course of the five-year period as economic conditions, available resources, and needs may dictate.

Current CIP Projects FY2014 and Prior

February 3, 2014



FY2015-2019 CIP Project Distribution

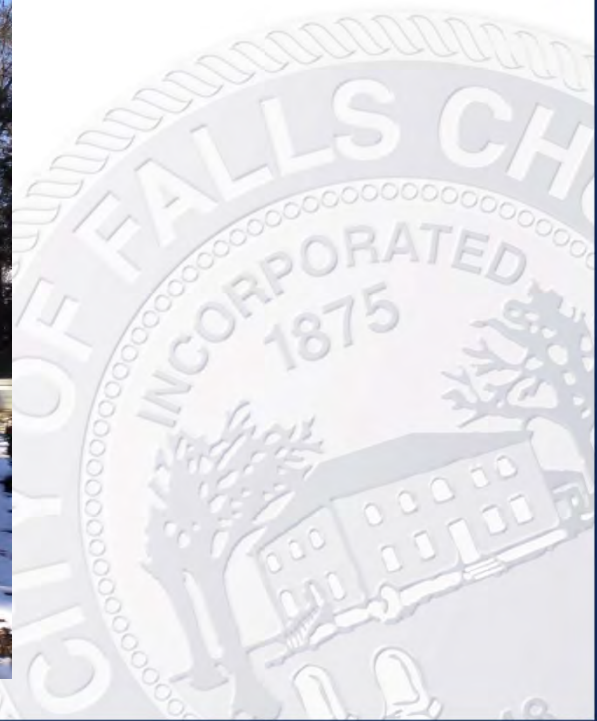


Lincoln Park Improvements - Completed



February 11, 2014

Frady Park Gazebo - Completed



February 11, 2014

West End Park Improvements



This photo is location where new visible entrance from Broad Street will be.



Howard E. Herman Stream Valley Park Improvements



February 11, 2014

Berman Park Trail Re-paving Partially Completed

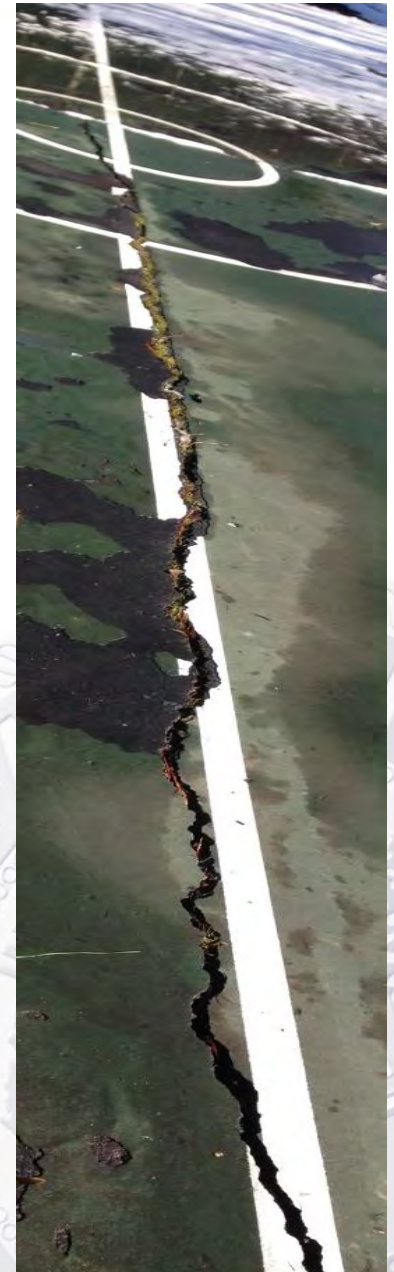
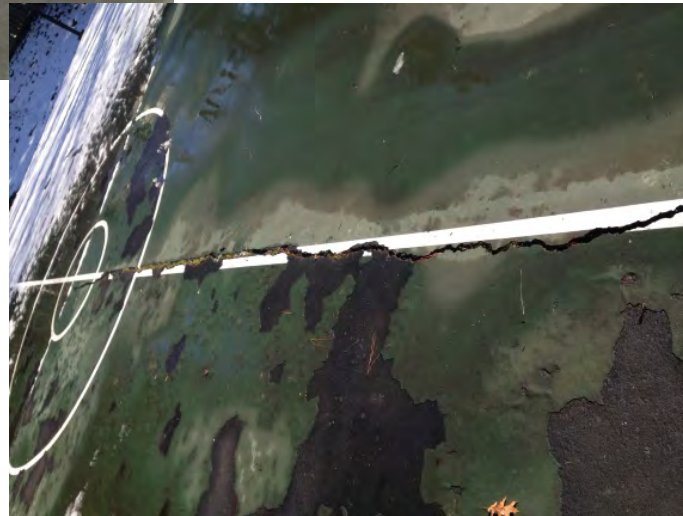
Completed



Not Completed



Tennis Court and Basketball Court Major Restoration



February 11, 2014

Master Park Improvements

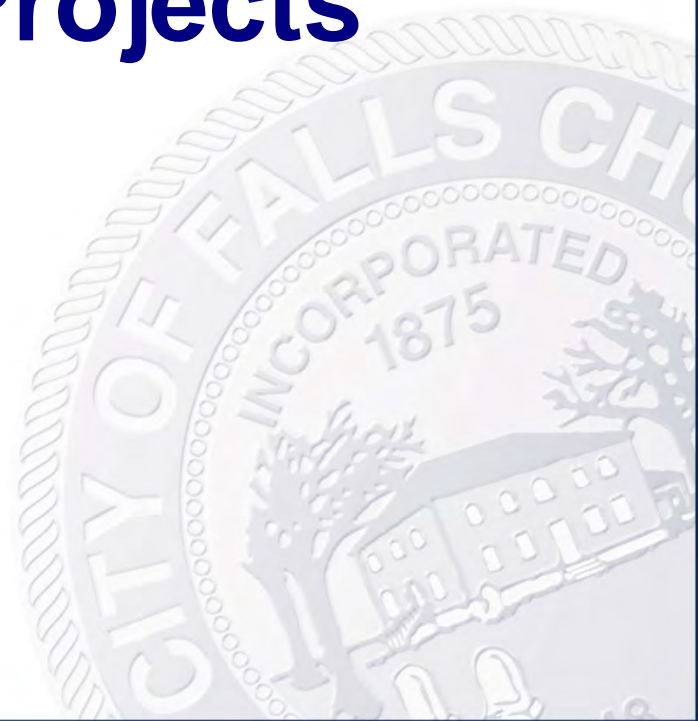
Completed

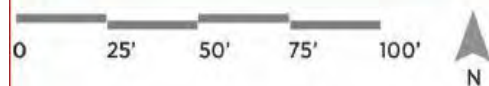


Not Completed



Transportation Projects



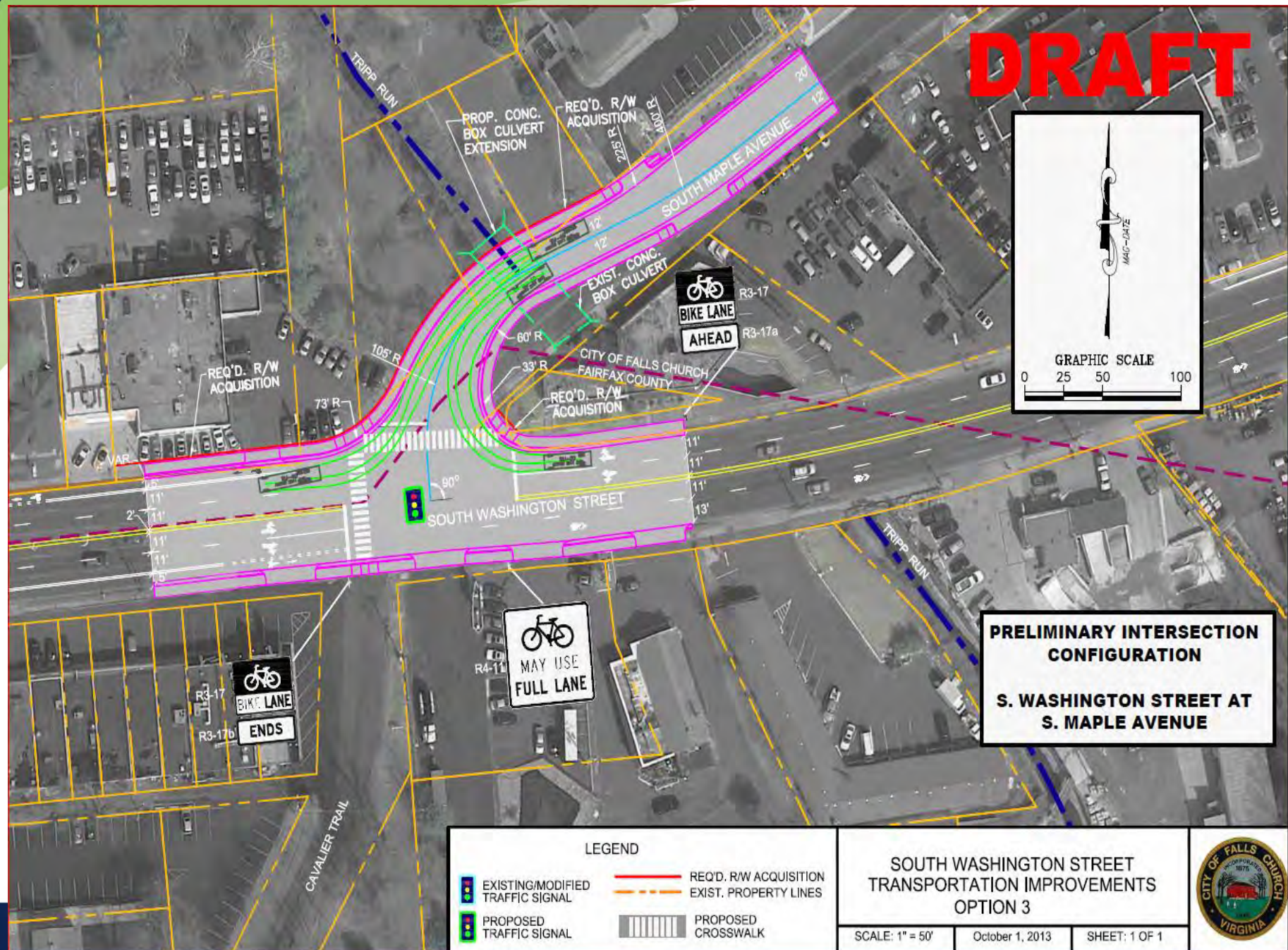
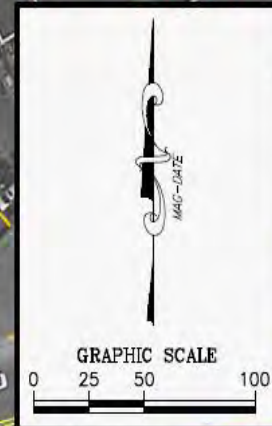


1. Serpentine bench spans both sides of transit plaza
2. Bus stop shelter
3. Public art location with vertical interpretive panels telling historic stories
4. Bike racks (possible future bike share)
5. Planted areas/rain gardens
6. Driveways to Coleman Sports
7. Planted tree pits
8. Bus stop
9. Access from Red Top

South Washington Street Transit Plaza PREFERRED ALTERNATIVE

March 28, 2013

DRAFT



**PRELIMINARY INTERSECTION
CONFIGURATION**

**S. WASHINGTON STREET AT
S. MAPLE AVENUE**

ST STREET SIDEWALK IMPROVEMENTS AND TRAFFIC CALMING PRELIMINARY DESIGN

STREET TO NORTH ROOSEVELT BOULEVARD





ROOSEVELT STREET (CON'T)

NORTH WEST STREET SIDEWALK IMPROVEMENTS AND TRAFFIC CALMING PRELIMINARY DESIGN - **OPTION 3**

GROVE AVENUE TO GREAT FALLS STREET



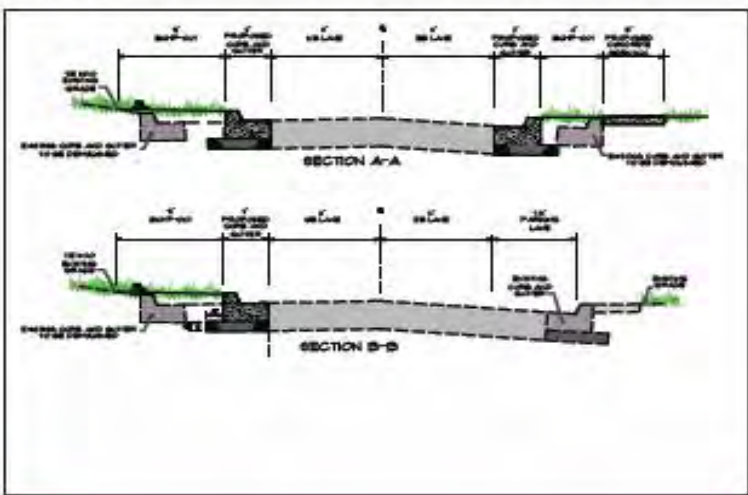
PROPOSED IMPROVEMENTS

- MEDIAN CONSTRUCTION ALONG NORTH SIDE OF NORTH WEST STREET
- DETECTABLE WARNING SURFACES / ADA RAMP UP/SLIDERS
- DRIVEWAY EXTENSIONS
- RECONSTRUCT INTERSECTIONS
- PAVEMENT REPAIRS
- TRAFFIC CALMING MEASURES AT:
 - LINCOLN AVENUE ONE CORNER
 - GALE STREET ONE & TWO CORNERS
 - GREAT FALLS STREET ONE CORNER

LEGEND

- RAPID FLASHING BEACON
- EXISTING TREE INCLUDED IN STUDY AREA
- TREE TO BE REMOVED
- RIGHT OF WAY
- DETECTABLE WARNING SURFACE / ADA RAMP UP/SLIDER
- GRANDED AREA
- PROPOSED CURB AND GUTTER
- PROPOSED MEDIAN
- EXISTING CURB AND GUTTER
- EXISTING MEDIAN

PAVEMENT SECTIONS



TYPICAL RAPID FLASHING BEACONS

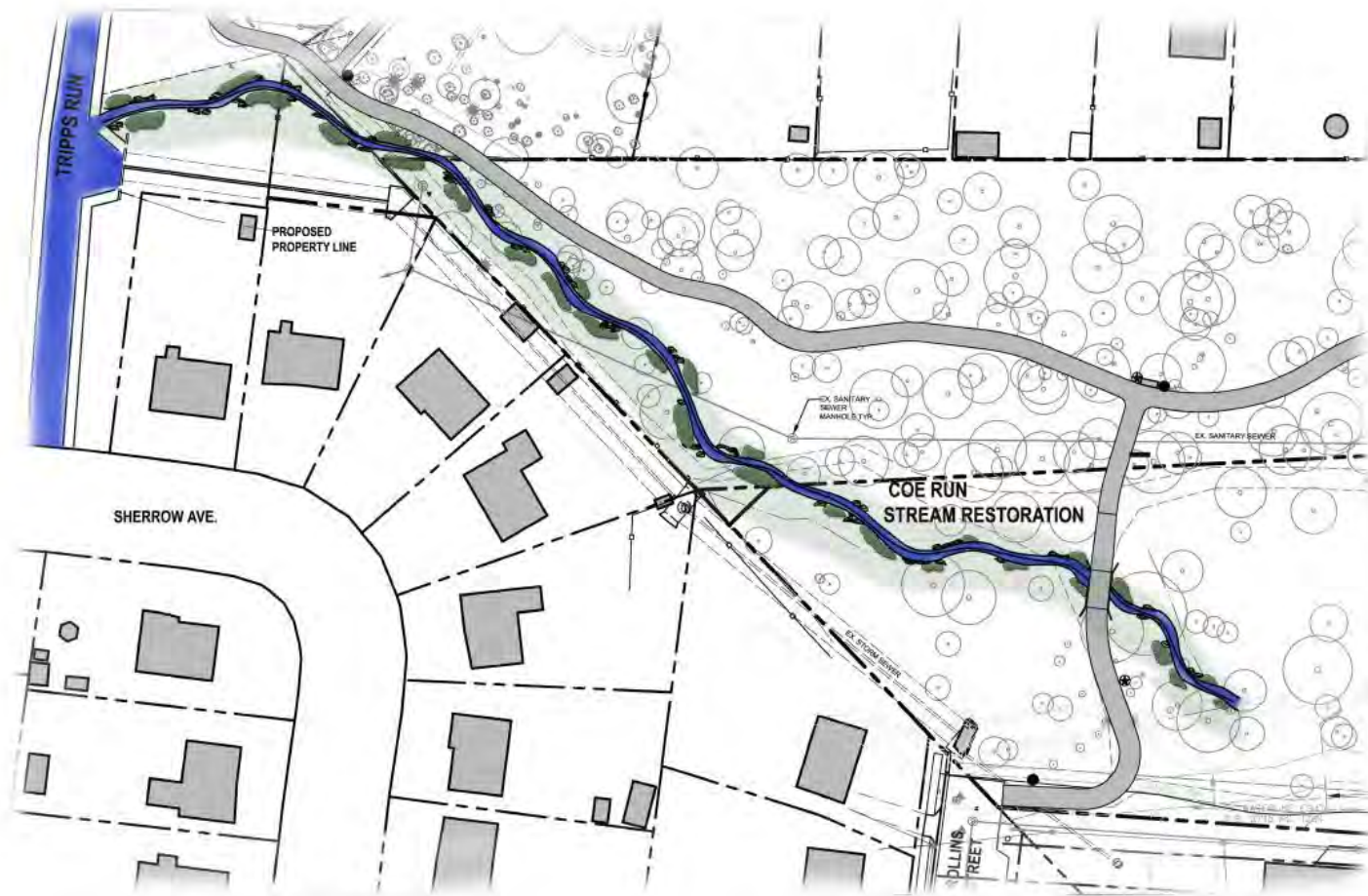




NORTH WEST STREET SIDEWALK (CON'T)

Storm Water Projects





STREAM RESTORATION EXHIBIT

HAMLETT REES PARK
CITY OF FALLS CHURCH, VIRGINIA

P+HRA

14455 Linn Road
Falls Church, VA 22031-1670
P 703.261.6100
F 703.261.6114



01-22-2009
Sheet 1 of 1

0 12.5 25 50
SCALE: 1" = 25'

Coe Branch Existing Conditions



Example Projects

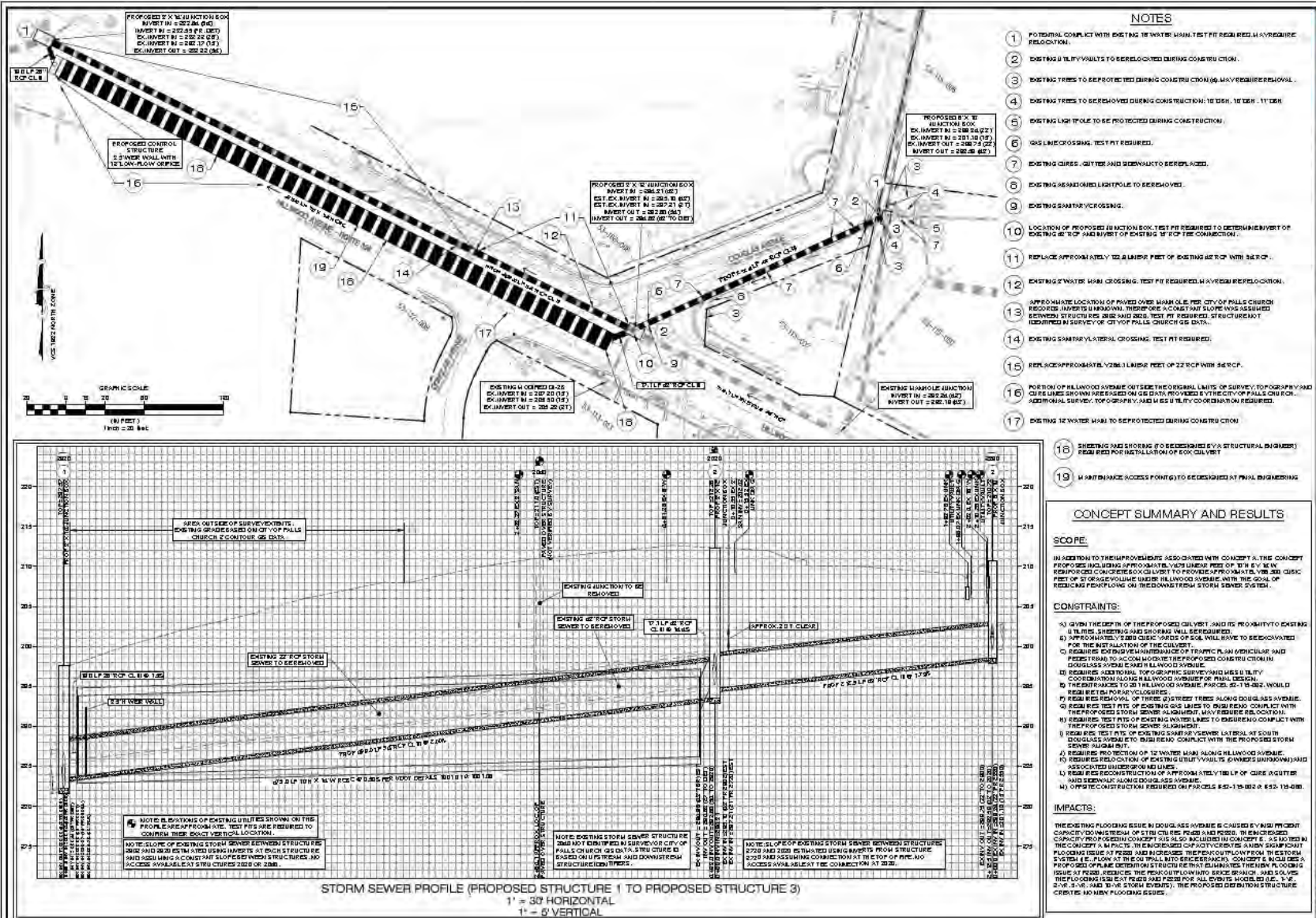


Looking Downstream from Jefferson Outfall
- Post Restoration
2 months



Looking Downstream from Jefferson Outfall
- Post Restoration
6 months

Douglass Avenue Drainage



100 Block West Broad





100 Block West Broad Street



Cherry Street Pre-School

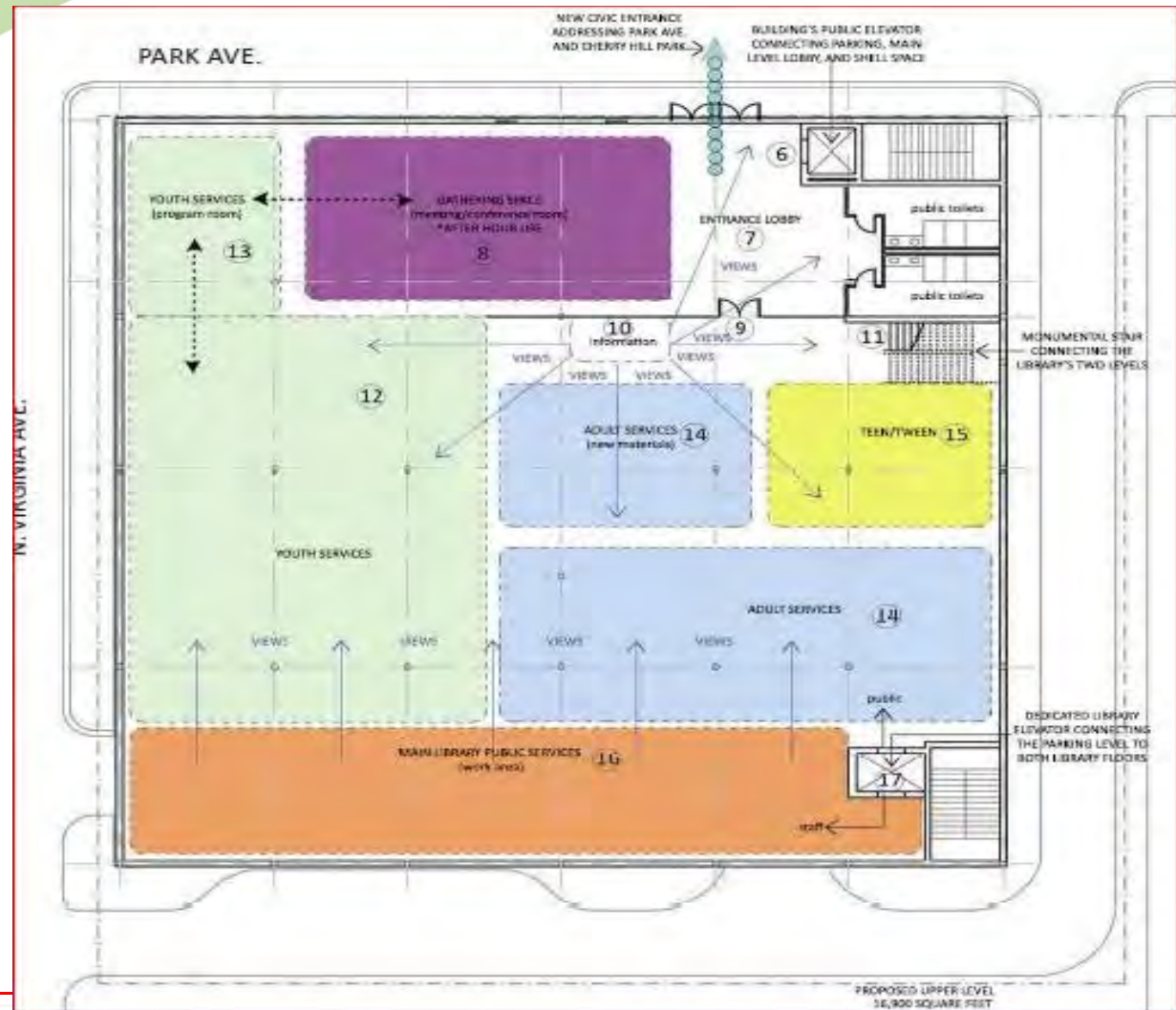


Mount Daniel Expansion



February 11, 2014

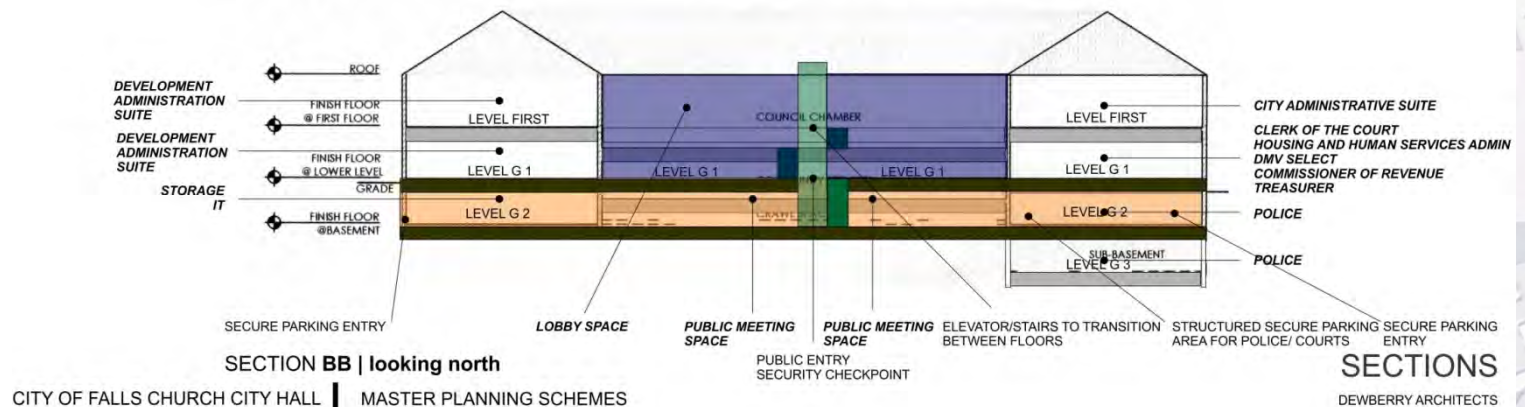
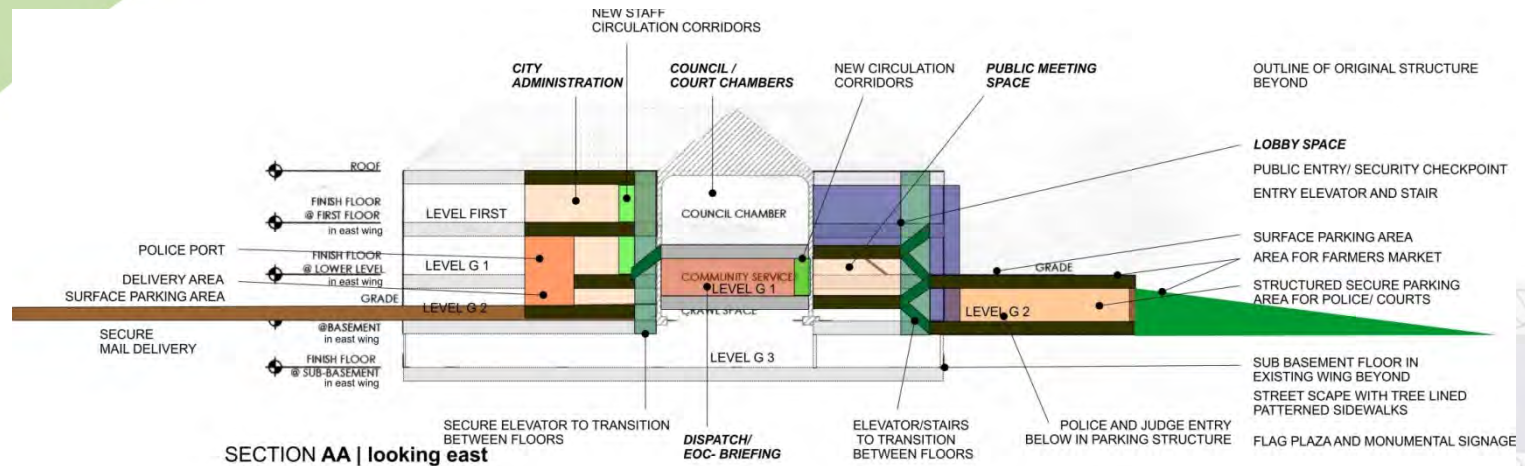
Mary Riley Styles Library



CONCEPTUAL DESIGN

Proposed Plan A (Raze and Rebuild)- Main Level

City Hall Public Safety Improvements



CITY OF FALLS CHURCH CITY HALL | MASTER PLANNING SCHEMES

SECTIONS

SECTIONS
DEWBERRY ARCHITECTS

1.2014 jpl

Fueling Station Canopy



February 11, 2014

General Fund - Five-Year Financial Forecast

This section addresses the City's ability to meet its capital needs over the five-year planning period. The development of the City's Capital Improvements Program is a process of assessing needs and making choices in relation to a balanced budget and a reasonable forecast of future financial conditions in the City. A forecasting model gives policy makers the ability to test assumptions behind the projections for future reserve balances and future debt capacity.

The projects in the City's Capital Improvements Program (CIP) are paid for either with grants, debt or on a "pay as you go" basis with a combination of operating and reserve funds. The bottom of the Summary Tables in Tabs 3 shows the portions of the CIP that are proposed to be paid for with grants, debt and what portions are planned for "pay as you go". The following table includes General Government, School Board and Transportation Fund CIP.

	FY2015	FY2016	FY2017	FY2018	FY2019	5 Yr Project Totals
Grant/Other Funded	\$ 3,165,000	\$ 1,208,000	\$ 1,232,000	\$ 620,000	\$ 355,000	\$ 6,580,000
Total Debt Financed	10,495,000	10,900,000	2,148,000	12,780,000	5,290,000	41,613,000
Only if grant/revenue offset	3,120,000	3,119,000	3,425,000	7,447,000	4,190,000	21,301,000
Transportation Reprogramming	4,623,811	-	-	-	-	4,623,811
Library Capital Campaign Fund	-	-	-	10,000	10,000	20,000
School Financing Plan	-	99,500,000	5,560,000	-	-	105,060,000
Total "Pay as you go" Financed	1,180,000	915,000	495,000	820,000	670,000	4,080,000
Total Sources	\$ 22,583,811	\$ 12,955,290	\$ 103,205,000	\$ 9,148,000	\$ 7,500,000	\$ 183,277,811

The use of debt and reserve funds is subject to policies previously adopted by the City Council. The following sections will illustrate how this proposed CIP for the five-year period beginning in FY2014 meets those debt and reserve fund policies.

Section I: Debt

General obligation bonds have been issued throughout the City's history to provide funding for long-term capital improvements. Such bonds are direct obligations of the City, and the full faith and credit of the City are pledged as security. The City is not required by state law to submit

to public referendum for authority to issue general obligation bonds. However, the City Council has established a policy, by resolution, which calls for public referendum on any single project debt issuance that exceeds ten percent of annual general fund expenditures for that year. The most recent bond referendum was held in November 2004, for voter approval of the school bonds that were used for the construction of the Mary Ellen Henderson Middle School.

Annual debt service requirements to maturity for the long-term obligations serviced by the General Fund are summarized as follows:

Ending June 30	Governmental Activities		
	Principal	Interest	Total
2014	\$ 3,317,300	\$ 1,013,541	\$ 4,330,841
2015	3,422,300	1,572,824	4,995,124
2016	3,525,000	1,431,138	4,956,138
2017	3,575,000	1,318,813	4,893,813
2018	3,715,000	1,193,578	4,908,578
2019-2023	18,381,666	4,322,266	22,703,932
2024-2028	9,198,333	2,108,691	11,307,024
2029-2032	5,240,001	874,569	6,114,570
Total	<u>\$ 50,374,600</u>	<u>\$ 13,835,418</u>	<u>\$ 64,210,018</u>

Since FY2008, the City issued General Obligation bonds totaling \$68 million to fund various capital expenditures and intergovernmental shared expenditures related to the City's water system and sewer system with the latest one issued in December 2013. The bonds have various maturity dates, with the latest one being July 1, 2033. The City also recently repaid the Water Fund debt with the sale of the water system. The remaining bonds still include bonds that are to be repaid from revenues from the City's sanitary sewer and storm water utilities, therefore, the debt service on those bonds are not counted towards the policy-related ratios.

In addition, bonds have been issued by the City to refund outstanding general obligation bonds when market conditions enabled the City to achieve significant reductions in its debt service payments. The City issued such refunding bonds recently in December 2011 and March 2012.

The chart below shows all the general obligation bonds that are outstanding as of December 31, 2013, excluding Water Fund debt with a total principal of \$15,780,000 as of December 31.

Bond Description	Governmental Activities	Business-Type Activities	
		Storm Water Fund	Sewer Fund
\$2,445,000 School Construction bonds issued May 2, 1996 by VPSA; interest at various rates; variable amounts maturing through January 15, 2017.	\$ 330,000	\$ -	\$ -
\$32,340,000 School Construction & refunding bonds issued March 18, 2004; interest at various rates; variable amounts maturing through April 1, 2024.	1,175,000	-	-
\$1,023,000 General Obligation bonds issued January 21, 2005; interest at 3.32% principal amounts maturing annually in equal installments through April 1, 2015.	204,600	-	-
\$1,935,000 School Construction bonds, issued May 11, 2006 by VPSA; interest at various rates; variable amounts maturing through July 15, 2026.	1,235,000	-	-
\$6,260,000 Refunding bonds issued March 8, 2007 to partially advance refund 2000 General Obligation bonds; interest at 4.00%; variable amounts maturing through August 1, 2021.	4,970,000	-	-
\$5,500,000 General Obligation bonds issued June 2, 2011 through the VRA; interest at various rates; variable principal amounts maturing annually through October 1, 2031.	-	-	2,930,000
\$4,100,000 Line of Credit issued on May 13, 2009 to the VRA; interest rate at 3.35%; variable principal amounts maturing semiannually through September 1, 2029.	-	-	3,545,289
\$8,570,000 General Obligations Construction and Refunding bonds issued December 22, 2011; interest at various rates; variable principal amounts maturing annually through January 15, 2032.	5,550,000	-	-
\$3,000,000 Qualified School Construction Bond (QSCB) issued December 15, 2011 through VPSA; interest at 4.25% and reimbursed by the Federal government; variable principal amounts maturing annually through December 1, 2030.	2,880,000	-	-
\$15,300,000 General Obligation refunding bonds issued March 6, 2012; interest at various rates; variable principal amounts maturing annually through August 1, 2024.	15,300,000	-	-
\$17,620,000 General Obligation bonds issued December 3, 2013; interest at various rates; variable principal amounts maturing annually through July 1, 2033	15,890,000	780,000	950,000
Subtotal	47,534,600	780,000	6,475,289
Total			54,789,889

Debt Policies

The City Council has adopted policies to restrain the use of debt within sustainable limits. A copy of the full text of the City's debt policies is provided at the end of this section. They can be summarized as follows:

- General Fund supported debt shall not exceed five percent of the net assessed valuation of taxable property in the City.
- Annual debt service expenditures for all General Fund supported debt shall not exceed twelve percent of total General Fund and School Board Fund expenditures.
- The term of any bond issue will not exceed the useful life of the capital project, facility or equipment for which the borrowing is intended.

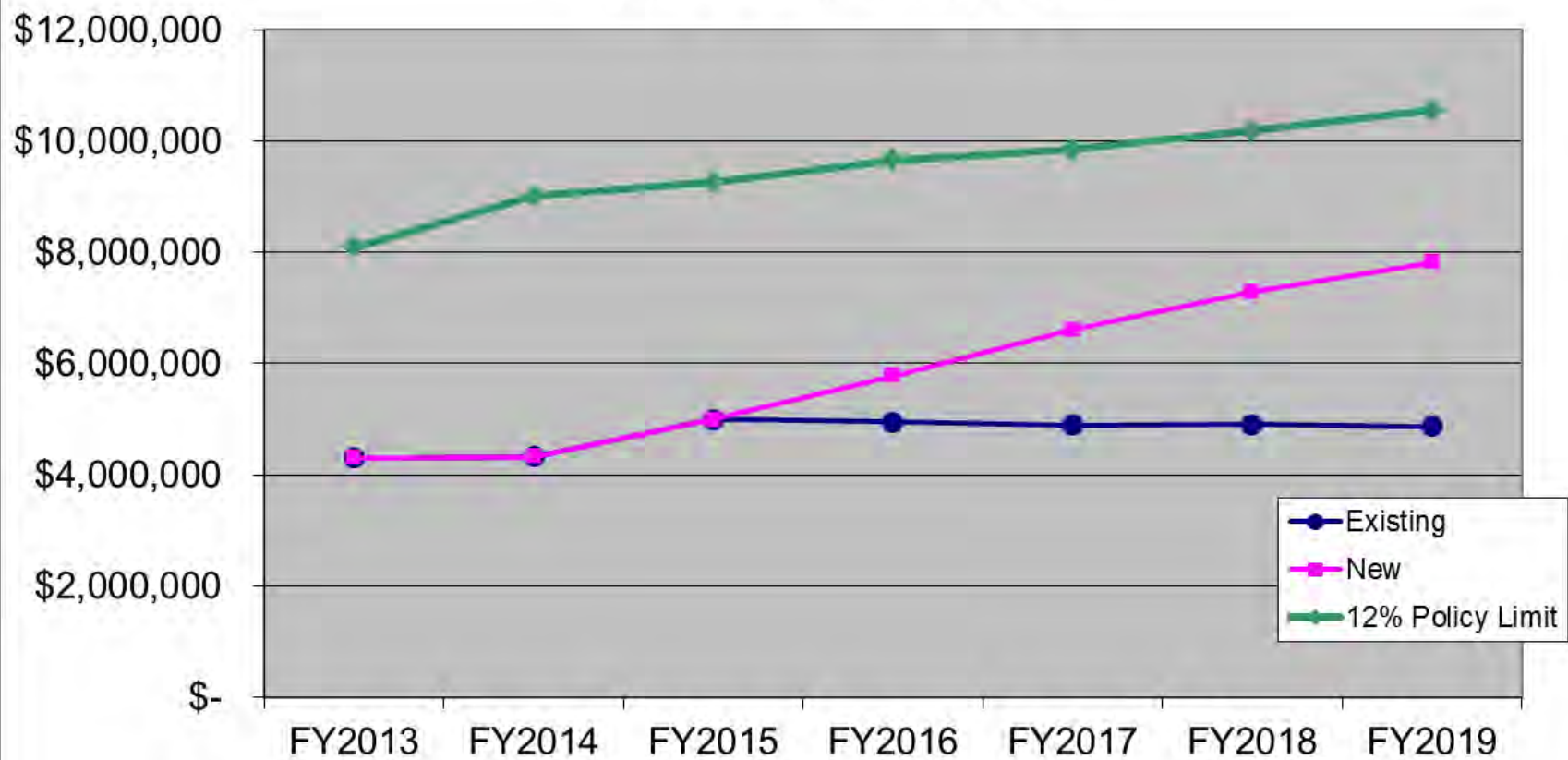
Ratio of Annual Debt Service Payments to Total General Fund Expenditures

The second element of the debt limit policy bears closer attention as this ratio goes more directly to the question of how much debt the City can afford.

The chart below illustrates the relationship of debt service payments to total expenditures through FY2019. Expenditures projected are based on a balanced budget based on conservative revenue projections.

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**Debt Service As Percentage of Expenditures
FY2013-FY2019
Policy Maximum of 12%**



Here, the upper limit represents the “twelve percent of total General Fund expenditures” policy limit, and the lower line represents projected annual debt service over a six year period. The increase in annual debt service relates to the facility expansion/renovations for general government, schools and library.

It is worth noting that the discussion of “debt capacity” in terms relating strictly to policy guidance does not address the separate issue of affordability within current tax rates.

In summary, the ratio of annual debt service to total General Fund expenditures is a constraint that bears close attention. This ratio is used by bonding rating agencies to assess fiscal health, and must be used by the City to assess the affordability of specific projects and the five-year CIP as a whole. The projects in this FY2014-2019 CIP stay within the City’s policy constraints based on the assumptions used in this forecasting tool.

Section II: Reserve Balance Policies (Pay-As-You-Go/PAUG)

A portion of the City’s CIP projects are funded on a “Pay as you go” basis; the focus for the next five years is in executing previously approved projects. Under this financing option, capital projects are funded by current year revenues or, if available, the use of reserve balances.

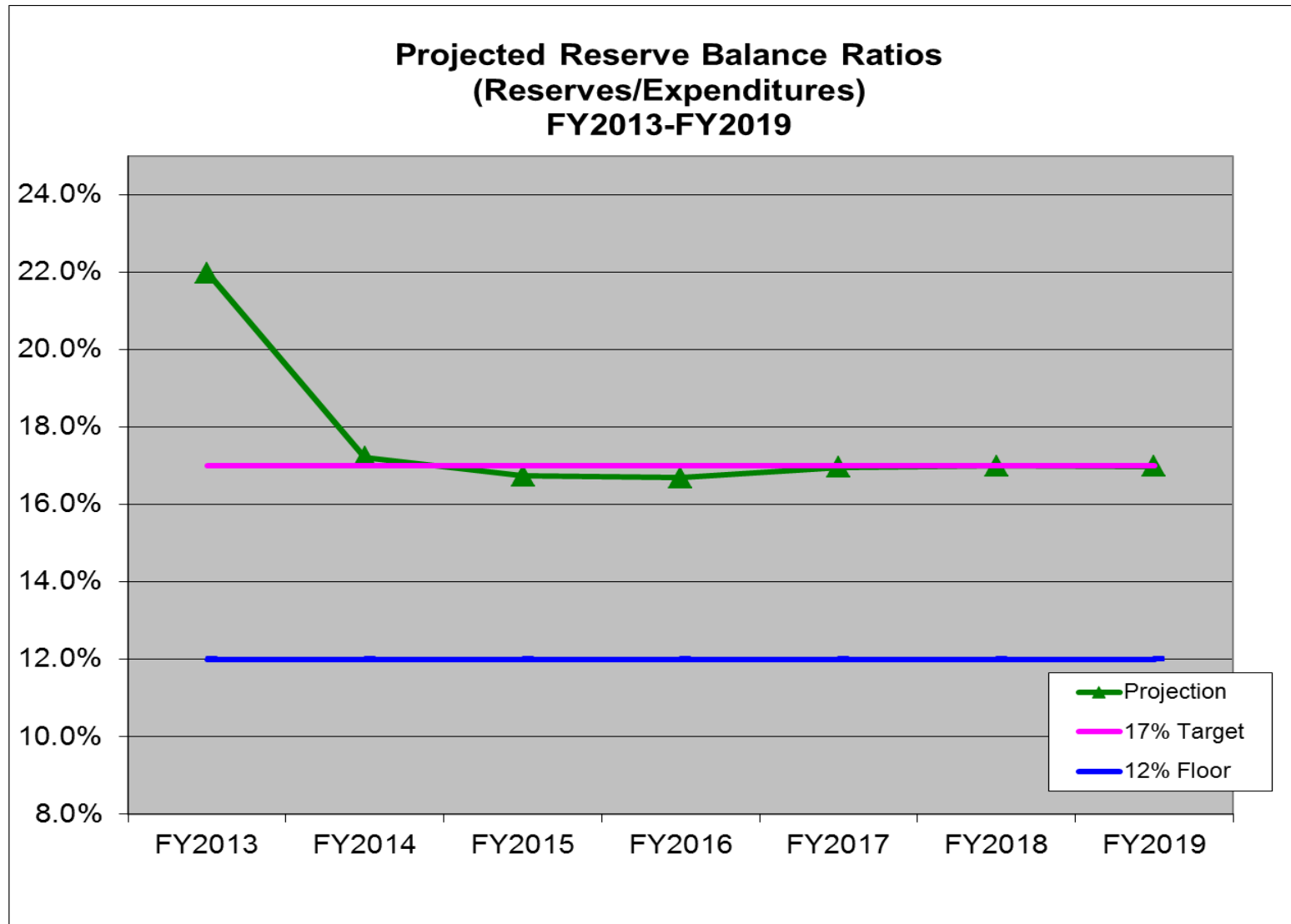
Reserve balances accrue over time based upon the financial policy approved by City Council in December 2011 which is discussed in more detail below.

In December 2011, the City Council adopted a revised Reserve Fund Balance Policy (attached) that sets limits on the minimum size of the reserve balance. This policy also states that reserve funds shall only be used for one-time expenditures, as opposed to recurring expenses. The resolution states:

- The unreserved, undesignated General Fund Balance goal shall be seventeen percent but not less than twelve percent of the actual General Fund expenditures for the then current fiscal year.
- The City shall establish a Capital Reserve Fund at a minimum of 5% of fixed assets or \$3.75 million, whichever is lower. The City shall meet this goal by FY2021 through annual appropriations of \$500,000, and thereafter appropriate no less than \$375,000 per annum to capital reserve. The capital reserve fund balance shall be used to pay for projects in the Capital Improvement Program or for debt service for those projects.
- Forecasting future reserve balances requires assumptions about future operating revenues and expenditures. Key assumptions included in the model used in the charts that follow are:

- dedicated resources for fund balance restoration and CIP projects; and
- the City will have a balanced operating budget every year.

The chart below provides a look at the impact of the proposed CIP on the City's reserve balances.



Here, the line at 17% represents the “seventeen percent of actual General Fund expenditures” policy limit. The other line represents the projected fund balances based on the spending levels contained in this CIP. The data used to develop this chart is contained in the table entitled Five Year Budget Projection and is provided in Tab 3.

Attachments:

2011 Financial Policies, adopted
FY2015 Budget Guidance, adopted

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**RESOLUTION TO ADOPT FISCAL POLICIES
FOR THE CITY OF FALLS CHURCH**

WHEREAS, the City Council of the City of Falls Church is charged with the ultimate oversight of the fiscal activity of the City government; and

WHEREAS, City Council is resolved to adopt best practices in the prudent exercise of their oversight responsibilities; and

WHEREAS, the City Council has taken significant steps in recent years to restore the City's financial condition and designate funds toward long range capital needs, and over the coming year the Council will continue to consider ways to move further, including consideration of policies that would set a minimum level of effort toward capital spending to ensure that the City schools, facilities, and infrastructure that serve the community are adequately maintained.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Falls Church does hereby adopt a comprehensive set of fiscal policies as follows.

**CITY OF FALLS CHURCH
FISCAL POLICIES**

I. PLANNING AND BUDGETING – ALL FUNDS

A. Governing Legislation

The adoption and implementation of the City of Falls Church's (the City) budget shall be governed by Chapter 6 of the City Charter and Chapter 10 of the City Code. This policy shall not override any of the provisions of the Charter and the Code, but rather, shall provide supplemental guidance on the adoption and implementation of the City's budget.

B. General

The City of Falls Church will adopt an annual General Fund budget in which the budgeted revenues and expenditures are equal (a balanced budget). The budget shall clearly delineate the sources of funding for each year's expenditures. Any one-time revenues or use of unassigned fund balance will be used for one-time, non-recurring expenditures such as capital assets, pay-as-you-go projects in the Capital Improvement Program (CIP), equipment, special studies, debt reduction, and reserve contributions. Restricted or committed fund balances may only be used for the purpose so stated.

Each year's budget may include a General Fund Contingent appropriation ("Council Reserve") to cover unforeseen expenditures, new projects initiated after a fiscal year has begun, or revenue shortfalls. Unexpended amounts in this reserve at fiscal year end may be re-appropriated by Council for use in the subsequent fiscal year. Funding may be allocated from this contingent appropriation only by resolution of City Council.

The City will adopt annual Utility Funds budgets in which the budgeted revenues from fees and charges, investment earnings, and operating grants will be sufficient to meet operating expenses and debt service. Availability fees, including availability fees accumulated from previous years, will only be used to offset the costs of providing additional capacity, including debt service on any debt incurred to finance such projects. Any one-time revenues or use of unrestricted net assets will be used for one-time, non-recurring expenses such as capital, equipment, special studies, debt reduction, and reserve contributions. Restricted net assets may only be used for the purpose so stated.

The City will prepare and update annually a five-year Capital Improvement Program (CIP) to be approved by City Council. At the same time, the City Council will adopt an annual budget for the Capital Fund including a resolution to bond projects requiring that source of funding. The CIP will be developed with an analysis of the City's infrastructure and other capital needs, and the financial impact of the debt service required to meet the recommended financing plan.

Except for trust funds, the City will adopt an annual budget for all other funds including the School Board and the Economic Development Authority.

The City Council will adopt all budgets by Ordinance.

C. Budget Amendments

Amendments to any budget that require an increase in revenue and/or expenditure requires an Ordinance to be passed by the City Council.

Transfers of funding between departments, as defined by the City's organization structure, requires a resolution by the City Council. Any transfers to and from the Water Fund and Sewer Fund constitute an increase in each of the Funds' budgets and therefore requires an Ordinance to be passed by the City Council.

Transfers within departments require an approval by the City Manager and by the Chief Financial Officer.

Transfers between capital projects require a resolution by the City Council.

D. Funding of Post-Retirement Benefits

The City will use an actuarially-accepted method of funding its pension system to maintain a fully-funded position. The City's contribution to employee retirement costs will be adjusted annually as necessary to fully fund its actuarially-required contributions (defined as City and employee contributions, if any, that when expressed as a percent of annual covered payroll are sufficient to accumulate assets to pay benefits when due).

The City will use an actuarially-accepted method of funding its other post-employment benefits to maintain a fully-funded position. The extent of the City's *other* post-employment benefits and its contribution to them will be adjusted annually as necessary to fully fund its actuarially-required contribution (defined as City and employee contributions, if any, that when expressed as a percent of annual covered payroll are sufficient to accumulate assets to pay benefits when due).

E. Transfers from Utility Funds

Transfers from the Utility Funds to the General Fund may be done for reimbursement of administrative expenses based on a reasonable method of calculation and payment in lieu of taxes.

II. DEBT MANAGEMENT

A. General Fund

The City of Falls Church will adhere to the following policies whenever the City issues new bonds:

1. Total General Fund supported debt shall not exceed 5% of the net assessed valuation of taxable real estate property in the City.
2. Annual debt service expenditures for all General Fund supported debt shall not exceed twelve percent (12%) of total General Fund operating expenditures, including school board transfer and debt service.
3. The term of any debt issue shall not exceed the useful life of the capital project/facility or equipment for which the borrowing is intended.
4. The city shall comply with all U.S. Internal Revenue Service arbitrage rebate requirements for bonded indebtedness.
5. The City shall comply with all requirements of Title 15.2 Code of Virginia and all other legal requirements regarding the issuance of bonds and certificates of the City or its debt issuing authorities.
6. At least 25% of total debt will be repaid within five years and at least 50% of total debt within ten years.
7. Debt shall be defined as bonds, capital leases, lines of credit, and certificates of participation or any other instruments that constitute evidence of indebtedness on the part of the City.

The Council shall put to referendum certain general obligation bonds:

1. Where the aggregate amount of the bond, for the bonded project or portion thereof exceeds ten percent of the General Fund budget for the fiscal year in which the bond(s) are anticipated to be issued.
2. The referendum requirement does not apply to bonds issued for water, sewer, fire, police and medical services projects.

In addition, Article VII of the Constitution of the Commonwealth of Virginia limits the City's debt capacity to not more than 10% of the assessed valuation of taxable real estate property in the City.

B. Utility Funds

The City may issue bonds to fund enterprise activities, such as water and sewer utilities, or for capital projects which will generate a revenue stream.

1. The bonds will be issued only if revenue sources are identified that are sufficient to fund the debt service requirements.
2. Costs of issuance, debt service reserve funds, and capitalized interest may be included in the capital project costs and thus are fully eligible for reimbursement from bond proceeds.
3. Bonds may be issued either as revenue bonds or as City general obligation bonds. In either case, the debt service coverage for the fund supporting the debt shall be at least 105%. Debt service coverage is calculated by dividing operating income by the bonds' total debt service.

III.FUND BALANCE AND NET ASSETS

A. General Fund

Unassigned fund balance is a key element of financial resilience for any municipal organization. An unassigned fund balance at 17% of expenditures represents two months of operating expenditures, and is held in reserve to mitigate the impacts of unanticipated revenue shortfalls, and provide a buffer for unexpected expenditure requirements. Capital reserves, similarly, allow the City to execute a multi year capital plan with a buffer against unforeseen economic events.

The City of Falls Church adopts the following policy for its Unassigned General Fund balance:

1. The goal for unassigned fund balance shall be 17%, but not less than 12%, of the actual General Fund expenditures for the then current Fiscal Year, and these funds shall be appropriated by the City Council.
2. In the event that the unassigned fund balance is used to provide for temporary funding of unforeseen emergency needs or used to mitigate effect of unbudgeted revenue shortfall, the City shall restore the unassigned fund balance to 12% of the actual General Fund expenditures for the then current fiscal year within two fiscal years following the fiscal year within which the event occurred. To the extent additional funds are necessary to restore the unassigned General Fund Balance to 17% of the actual General Fund expenditures for the then current year, such funds shall be accumulated in no more than three approximately equal contributions each fiscal year; this shall provide for full recovery of the targeted fund balance amount within five years following the fiscal year in which the event occurred.
3. The following are other types of fund balance as defined by Governmental Accounting Standards Board (GASB) and should not be included in the calculation of the ratio discussed in item 1:
 - a. Restricted fund balance represents that portion of fund balance that is restricted for a specific future use either by enabling legislation, donor, or bond covenant. This fund balance is required to be used or maintained for the specific purpose so stated.
 - b. Committed fund balance represents fund balance that is committed by the City Council to be used for a specific purpose, such as funds committed to be used for capital projects in the Capital Improvement Project fund. Such commitment may only be reversed by similar action that committed it. Such commitment should be supported by definitive plans approved by the City Council.
 - c. Non-spendable fund balance represents that portion of the fund balance that is not available for future spending such as prepaid items, inventory and long-term notes receivables.
 - d. Assigned fund balance represents amounts that are constrained to be used for specific purpose (such as towards contracts) by either the City Council or the City Manager.
4. The City shall establish a capital reserve fund balance and it shall be a committed fund balance. The balance shall be maintained at 5% of General Fund fixed assets OR \$3,750,000, whichever is lower. The City shall meet this goal by FY2021 through annual appropriations of \$500,000, and thereafter appropriate no less than \$375,000 per annum to

capital reserve. The capital reserve fund balance shall be used to pay for projects in the Capital Improvement Program or for debt service for those projects. The use of this fund balance shall be included in the annual appropriation or in budget amendments passed by the City Council through an Ordinance. The City may go below the minimum balance to fund unforeseen emergency capital needs. In the event that this happens, the City shall restore the required balance within three (3) fiscal years.

B. Utility Funds

It is the City's goal, pursuant to the utility rate studies provided by consultants, to have positive unrestricted net assets for its Utility Funds in its Statement of Net Assets that reflect economic well-being.

1. Unrestricted net assets shall be greater than 25% of total operating expenses at fiscal year-end, to provide reserves for operations and future capital improvements.
2. There will be a restriction of net assets for investment in capital assets, net of related debt, as required by Generally Accepted Accounting Principles.
3. Designation of unrestricted net assets represents plans by management. Such designations should be supported by definitive plans approved either by the City Council or the City Manager.
4. The City shall establish a capital reserve for the Water Fund. The balance shall be maintained at 2% of fixed assets OR \$2,500,000, whichever is lower. The City shall meet this goal by FY2016 through annual appropriations, and thereafter appropriations of \$500,000 per annum. The capital reserve shall be used to pay for projects in the Capital Improvement Program or for debt service for those projects. The use of these funds shall be included in the annual appropriation or in budget amendments passed by the City Council through an Ordinance. The City may go below the minimum balance to fund unforeseen emergency capital needs. In the event that this happens, the City shall restore the required balance within three (3) fiscal years.
5. The City shall establish a capital reserve for the Sewer Fund. The balance shall be maintained at 2% of fixed assets OR \$400,000, whichever is lower. The City shall meet this goal by FY2022 through appropriation of \$50,000 per

annum commencing in FY2014. The capital reserve shall be used to pay for projects in the Capital Improvement Program or for debt service for those projects. The use of these funds shall be included in the annual appropriation or in budget amendments passed by the City Council through an Ordinance. The City may go below the minimum balance to fund unforeseen emergency capital needs. In the event that this happens, the City shall restore the required balance within three (3) fiscal years.

All definitions of “fund balance”, “net assets”, “revenues”, “operating revenues”, “expenditures” and “expenses” shall comply with Government Accounting Standards Board definitions.

IV. FISCAL POLICIES – ADOPTION

1. The City’s fiscal policies shall be adopted by resolution of the City Council.
2. The fiscal policies shall remain in effect until such time as they are amended or repealed by subsequent Council action, and will be presented to City Council every two years within ninety days of a new Council taking office.

Reading: 12-12-11
Adoption: 12-12-11
(TR11-35)

IN WITNESS WHEREOF, the foregoing was adopted by the City Council of the City of Falls Church, Virginia on December 12, 2011 as Resolution 2011-45.



Kathleen Clarken Buschow
City Clerk

RESOLUTION PROVIDING GUIDANCE TO THE CITY MANAGER
ON THE DEVELOPMENT OF THE FY2015 CITY BUDGET

- WHEREAS, the City Council believes it is valuable to provide early guidance to the City Manager on budget development, as he begins working with staff on the putting together recommendations to the City Council in March; and
- WHEREAS, the City Council has received initial projections for revenues and expenditures for the coming fiscal year, as well as for the years FY2016 through FY2020, and has considered these projections in providing budget guidance; and
- WHEREAS, the guidance to the City Manager is intended to provide a framework for budget development, and assist the Manager in putting together recommendations next spring that are aligned with Council expectations based on the preliminary projections; and
- WHEREAS, the City takes tremendous pride in the quality of public input and citizen involvement in the budget process, and the budget process is designed to provide as many opportunities as possible for citizens to exchange information about budget priorities, and this public input will ultimately inform the Council's final budget decisions next spring; and
- WHEREAS, Council expects to have several opportunities to review additional information about budget projections, refine the choices between now and March 10, 2014 when the Manager will present budget recommendations, and may take the opportunity to provide additional guidance as necessary.
- NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Falls Church that the attached FY2015 Budget Guidance Statement is hereby adopted.

Reading: 12-9-13
Adopted: 12-9-13
(TR13-41)

IN WITNESS WHEREOF, the foregoing was adopted by the City Council of the City of Falls Church, Virginia on December, 2013 as Resolution 2013-39.



Kathleen Clarken Buschow
City Clerk

City Council FY2015 Budget Guidance Statement For the City Manager December 09, 2013

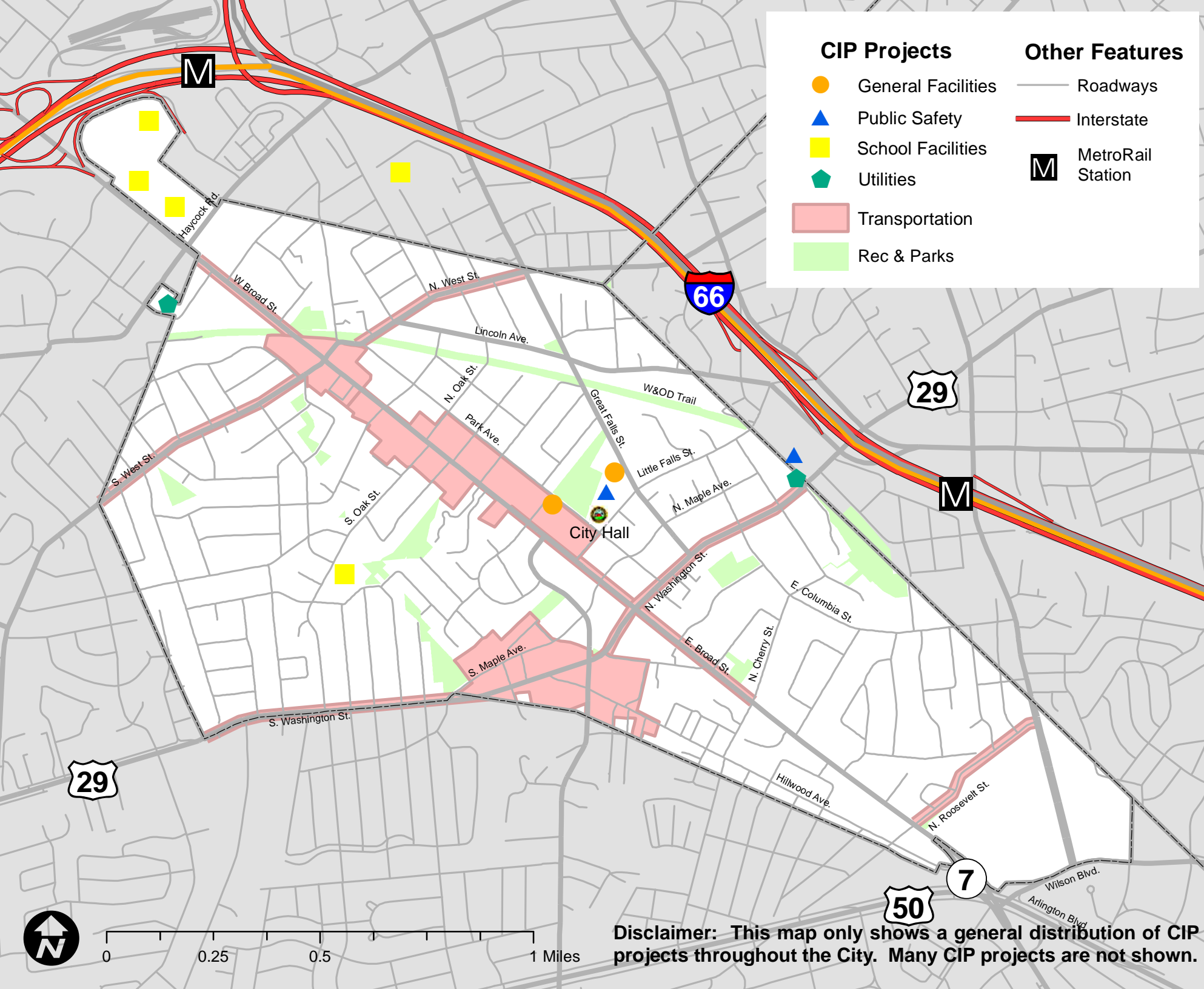
The City Council directs the City Manager to prepare a FY 2015 budget that maintains and supports the City's excellent schools and excellent government services, and adheres to adopted policies on fund balance and debt levels that keep the City on sound and sustainable financial footing. Even in continued tight financial times, the City of Falls Church is committed to providing valuable core services that promote public safety and a high quality of life. To these ends, the City Manager should:

- Review all City government programs and operations to achieve the most cost effective delivery of community services possible, and present alternatives that reduce costs through consolidation of services and programs with other agencies and the school division, mergers, contracting, partnerships, and other means.
- Present a budget in which any increases in revenues for general government expenses are generated solely by economic growth. To the extent that this constraint on expenditures results in negative impacts to programs, equipment replacement, or infrastructure maintenance, information about those impacts should be provided to the City Council with the budget presentation.
 - Using a whole City approach to reducing costs, present options for maintaining a level real estate tax rate.
 - The CIP should be a main focus. Every effort should be made to hold the non-referendum CIP harmless, and required reductions in spending should not come through deferring required maintenance or deferring investment in infrastructure projects in the CIP that would increase City costs in the long run.
- If expenditures significantly exceed revenues and there is a need to reduce or eliminate programs, that in light of the need to undertake these reductions it would be Council's responsibility to select the areas for reduction. In as much as program reductions could represent a change or alteration of the Vision of the City, it is the Council's responsibility.

- Present a budget in which “pay as you go” capital projects, capital reserves, and other identified long term financial obligations are adequately funded.
- Present a budget for operating expenditures that fully considers the spending constraints included in the multi-year financial model reviewed by Council as part of FY14 Budget adoption.
- Present an operating and capital budget that focuses on infrastructure maintenance and improvements.
- Present a capital improvements plan for meeting the City’s critical needs, including general government and school facilities, parks, buildings, transportation, and storm water infrastructure. The CIP should include:
 - local funding for transportation projects matched under the NVT A 30% formula;
 - accurate and realistic cost figures as possible for the City Hall, Library, and School facility improvements.
- Present an operating budget and five year capital financial plan that: a) maintains an unassigned fund balance at the policy target as set by City Council resolution; and b) maintains annual debt service expenditures below policy limits set by Council resolution.
- Multi-year projections: present revenue and expenditure projections for FY16 and more general projections for FY17 through FY19, so that FY15 budget decisions can be assessed in the context of long term sustainability. The multi-year forecasts should include operating costs, City and VRS pension costs, and capital expenditure projections.

- Present a budget that provides a level of employee compensation that is competitive within the regional labor market and sustainable over the long term.
- Present options in the budget for enhanced real estate tax deferral for seniors.
- Present a budget that fully funds City Basic and Police pension plan actuarially required contributions (ARC) as called for in the actuarial report of 2013.
- Present a budget that absorbs the loss of the administrative cost allocation and PILOT from the water fund without an increase in the tax rate.

FY2015-2019 CIP Project Distribution



City Manager's Recommended Capital Improvements and Capital Operating Programs

General Fund and School Fund

Proposed to Planning Commission 02-03-2014

RECOMMENDED VERSION

CIP PROJECTS -GENERAL FUND	FY2015	FY2016	FY2017	FY2018	FY2019	5 Yr Project Totals
INFORMATION TECHNOLOGY						
Public Safety CAD, RMS, Field Operations Upgrade	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 270,000
Total Information Technology	270,000	-	-	-	-	270,000
PUBLIC SAFETY (also see IT section above)						
Public Safety Firearms Range	300,000	-	-	-	-	300,000
Fire Station 6 HVAC	250,000					250,000
Total Public Safety	550,000	-	-	-	-	550,000
PUBLIC FACILITIES						
General Govt Facility Reinvestment	350,000	350,000	350,000	350,000	350,000	1,750,000
Community Center HVAC	152,000	-	-	-	-	152,000
Library New Constructed Building <i>(Modified by 1-year delay) ***</i>	-	1,500,000	1,000,000	11,690,000	4,500,000	18,690,000
Schools Replacement/Modernization School Board adopted 12-2013	-	-	-	400,000	-	400,000
Mount Daniel Elementary School Expansion/ ADA Renovations- School Board adopted 12-2013 (FY14- \$1M); <i>(Modified to phase debt) ***</i>	8,000,000	6,600,000	-	-	-	14,600,000
BLA Planning and Design (Joint City Council/School Board)	250,000	-	-	-	-	250,000
George Mason High School Construction- School Board adopted 12-2013***	-	99,500,000	-	-	-	99,500,000
Thomas Jefferson ES HVAC	-	2,000,000	-	-	-	2,000,000
MEH Schools Construction- School Board adopted 12-2013***	-	-	5,000,000	-	-	5,000,000
Total Public Facilities	8,752,000	109,950,000	6,350,000	12,440,000	4,850,000	142,342,000
ENVIRONMENT (SW moved out of GF to stand alone enterprise fund)						
None	-	-	-	-	-	-
Total Environment	-	-	-	-	-	-

City Manager's Recommended Capital Improvements and Capital Operating Programs

General Fund and School Fund

Proposed to Planning Commission 02-03-2014

RECOMMENDED VERSION

CIP PROJECTS -GENERAL FUND	FY2015	FY2016	FY2017	FY2018	FY2019	5 Yr Project Totals
TRANSPORTATION (see separate special transportation fund)						
Total Transportation	-	-	-	-	-	-
RECREATION & PARKS/ FIELDS						
Park Master Plan Implementation	100,000	100,000	-	300,000	200,000	700,000
Howard E Herman Stream Valley Park	100,000	100,000	348,000	-	-	548,000
Open Space Fund <i>(Modified with 2nd \$1M to be "only if")</i>	1,075,000	-	-	1,000,000	-	2,075,000
George Mason Synthetic Turf Replacement (joint project with FCCPS; \$200K each); <i>(Modified to match R&P timing and tied to GMHS)</i>	-	-	400,000	-	-	400,000
GMHS Field Track Resurface (SB adopted December 2013; <i>Not Eligible CIP as stand alone; combine with GMHS and turf project</i>)	-	-	160,000	-	-	160,000
Total Recreation & Parks/Fields	1,275,000	200,000	908,000	1,300,000	200,000	3,883,000
***REFERENDUM REQUIRED						-
TOTAL GENERAL FUND	\$ 10,847,000	\$ 110,150,000	\$ 7,258,000	\$ 13,740,000	\$ 5,050,000	\$ 147,045,000
SOURCES						
Grant/Other Funded	-	-	-	-	-	-
Total Debt Financed	9,895,000	10,100,000	1,348,000	11,980,000	4,490,000	37,813,000
Only if grant/revenue offset	-	-	-	1,000,000	-	1,000,000
MRSPL Capital Campaign Fund	-	-	-	10,000	10,000	20,000
School Financing Plan/Referendum Approval Based	-	99,500,000	5,560,000	-	-	105,060,000
Total "Pay as you go" Financed	952,000	550,000	350,000	750,000	550,000	3,152,000
Total Sources	\$ 10,847,000	\$ 110,150,000	\$ 7,258,000	\$ 13,740,000	\$ 5,050,000	\$ 147,045,000

**City Manager's Recommended Capital Improvements and Capital Operating Programs
Transportation Special Fund (includes C&I Tax and/or Equivalent)**

Proposed to Planning Commission 02-03-2014

RECOMMENDED VERSION

CIP PROJECTS	FY2015	FY2016	FY2017	FY2018	FY2019	5 Yr Project Totals
TRANSPORTATION						
Infrastructure Program- Bridges NVTA 70% GRANT	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Infrastructure Program- Bridges LOCAL C&I equivalent/30% match	-	800,000	800,000			1,600,000
Infrastructure Program- Bridges LOCAL	-	-	50,000	-	-	50,000
Infrastructure Program- Bus Shelters 70% NVTA	200,000	-	-	-	-	200,000
Infrastructure Program - Bus Shelters 30% NVTA	250,000	-	-	-	-	250,000
Infrastructure Program - Bus Shelters DRPT Transit	255,000					255,000
Infrastructure Program- Pavement	600,000	1,000,000	1,000,000	1,000,000	1,000,000	4,600,000
Infrastructure Program- Signals and Signs RS GRANT	800,000	-	-	-	-	800,000
Infrastructure Program- Signals and Signs RS MATCH LOCAL	800,000	-	-	-	-	800,000
Infrastructure Program- Signals and Signs LOCAL	-	95,000	20,000	20,000	20,000	155,000
Non-commercial Program	-	-	-	437,000	-	437,000
South Washington Street POA Program NVTA 30% GRANT	1,465,000	908,000	932,000	320,000	-	3,625,000
South Washington Street POA Program NVTA 70% GRANT	700,000	-	-	-	-	700,000
South Washington Street POA Program LOCAL C&I equiv/30% match	-	-	-	-	-	-
South Washington St POA Program- reallocation to POA	4,263,811	-	-		-	4,263,811
West Broad Street POA Program	-	-	200,000	2,140,000	-	2,340,000
Pedestrian Access Program	300,000	300,000	300,000	300,000	355,000	1,555,000
Unallocated Funding Program- Projects TBD NVTA 70%	2,065,000	2,119,000	2,175,000	2,233,000	2,233,000	10,825,000
Unallocated Funding Program - Projects TBD NVTA 30%	-	-	-	637,000	957,000	1,594,000
Unallocated Funding Program- Projects TBD Local C&I Equivalent/30% MATCH	-	-	-	800,000	800,000	1,600,000
						-
TOTAL TRANSPORTATION	\$ 11,948,811	\$ 5,222,000	\$ 5,477,000	\$ 7,887,000	\$ 5,365,000	\$ 35,899,811
SOURCES						
Grant/Other Funded	3,165,000	1,208,000	1,232,000	620,000	355,000	6,580,000
Total Debt Financed	600,000	800,000	800,000	800,000	800,000	3,800,000
Only if grant/revenue offset	3,120,000	3,119,000	3,425,000	6,447,000	4,190,000	20,301,000
Transportation Reprogramming	4,263,811	-	-	-	-	4,263,811
Total "Pay as you go" Financed	800,000	95,000	20,000	20,000	20,000	955,000
Total Sources	\$ 11,948,811	\$ 5,222,000	\$ 5,477,000	\$ 7,887,000	\$ 5,365,000	\$ 35,899,811

Five Year Fund Balance Projection Through FY2019 Recommended	FY2013 Actual	FY2014 As Projected	FY2015 Projected	FY2016 Projected	FY2017 Projected	FY2018 Projected	FY2019 Projected
Total Operating Revenues	\$ 71,871,638	\$ 74,101,375	\$ 77,198,942	\$ 79,900,905	\$ 82,697,437	\$ 85,591,847	\$ 88,587,562
General Fund Expenditures Before Capital*	63,138,506	70,748,834	72,203,818	74,680,892	75,486,037	77,608,507	80,071,191
Net Operating	8,733,132	3,352,541	4,995,124	5,220,013	7,211,400	7,983,340	8,516,370
Use of Fund Balance	-	1,478,300	-	-	-	-	-
Estimated Additional Revenues	-	2,050,000	-	500,000	500,000	500,000	500,000
Use of Capital Reserve	-	-	1,752,000	1,198,000	-	-	-
Contribution to Fund Balance	-	-	-	-	-	-	-
Contribution to Capital Reserve	-	(2,950,000)	-	-	-	-	-
Paygo Transportation Fund	-	-	(800,000)	-	-	-	-
Paygo & Stormwater (FY14 only)	(2,033,076)	(1,500,000)	(952,000)	(645,000)	(600,000)	(700,000)	(700,000)
Debt Service	(4,305,353)	(4,330,841)	(4,995,124)	(5,773,013)	(6,611,400)	(7,283,340)	(7,816,370)
Net Capital	(6,338,429)	(5,252,541)	(4,995,124)	(4,720,013)	(6,711,400)	(7,483,340)	(8,016,370)
Addition/(Reduction) to Fund Balance	2,394,703	(1,900,000)	(0)	500,000	500,000	500,000	500,000
Capital Improvement Program							
Capital Improvement Expenditures	(7,533,141)	(15,364,032)	(11,647,000)	(115,372,000)	(12,735,000)	(21,627,000)	(10,415,000)
Transfers in from General Fund	2,033,076	600,000	-	-	-	-	-
Use of Capital project fund balance**	-	-	-	-	-	-	-
Use of Capital Reserves	-	-	-	-	-	-	-
Use of Paygo Reserves	-	-	1,752,000	645,000	370,000	770,000	570,000
Proceeds from capital grant funds	547,023	1,089,984	-	1,208,000	1,232,000	620,000	355,000
Proceeds from bond sale	-	13,674,048	9,895,000	10,900,000	2,148,000	12,780,000	5,290,000
Only if grant/revenue offset	-	-	-	3,119,000	3,425,000	7,447,000	4,190,000
MRSPL capital campaign fund	-	-	-	-	-	10,000	10,000
School financing plan	-	-	-	99,500,000	5,560,000	-	-
Net Cash Flow from CIP	(4,953,042)	-	-	-	-	-	-
Unassigned Fund Balance, beginning	14,869,105	14,821,921	12,921,921	12,921,921	13,421,921	13,921,921	14,421,921
Unassigned Fund Balance, end of year	14,821,921	12,921,921	12,921,921	13,421,921	13,921,921	14,421,921	14,921,921
Capital Reserve Fund Balance	126,000	3,016,000	1,198,000	-	-	-	-
Paygo Reserve Fund Balance	-	-	-	-	230,000	160,000	290,000

KEY RATIOS

Fund Balance

Gen Govt Fund balance as % of expenditures	22.0%	17.2%	16.7%	16.7%	17.0%	17.0%	17.0%
Policy Target (17% of Expenditures)***	11,465,456	12,763,545	13,123,820	13,677,164	13,956,564	14,431,614	14,940,885
Undesignated Fund Balance, end of year	14,821,921	12,921,921	12,921,921	13,421,921	13,921,921	14,421,921	14,921,921

Debt Service

Existing	4,305,353	4,330,841	4,995,124	4,956,138	4,893,813	4,908,578	4,868,933
New****	-	-	-	816,875	1,717,588	2,374,763	2,947,438
Total	4,305,353	4,330,841	4,995,124	5,773,013	6,611,400	7,283,340	7,816,370

Debt service as % of expenditures	6.4%	5.8%	6.5%	7.2%	8.1%	8.6%	8.9%
Policy Limit (12% of Expenditures)	8,093,263	9,009,561	9,263,873	9,654,469	9,851,692	10,187,022	10,546,507

*Expenditures are based on a balanced budget and are not based on current projections of FY2015 through FY2019 expenditures.

***New policy effective December 12, 2011.

****3.25%-4.25% Interest rate used for debt service calculation

**City Manager's Recommended Capital Improvements Program
Water and Sewer Utility Funds**

FY2015 - FY2019 SUMMARY TABLE: City Manager Recommendations to Planning Commission: 02-03-14

	Prior Year Appropriated Funding	FY2015	FY2016	FY2017	FY2018	FY2019	5Yr Project Totals
SEWER UTILITY							
WPCP Biosolids Project	-	\$ 47,000	\$ 170,000	\$ 83,000	\$ -	\$ -	\$ 300,000
WPCP Secondary Clarifiers Upgrade	-	65,000	150,000	150,000	65,000	-	430,000
Fairfax Wastewater Treatment Plant Upgrades Phase II	\$729,000	797,284	653,519	653,519	313,549	313,549	2,731,420
WWTP Capacity Expansion	-	-	5,600,000	-	-	-	5,600,000
Falls Church Sewer Rehabilitation	\$1,299,775	-	550,000	600,000	650,000	700,000	2,500,000
TOTAL SEWER UTILITY	\$ 2,028,775	\$ 909,284	\$ 7,123,519	\$ 1,486,519	\$ 1,028,549	\$ 1,013,549	\$ 11,561,420
<i>Debt Funded</i>	\$2,028,775	\$ 797,284	\$ 6,573,519	\$ 886,519	\$ 378,549	\$ 313,549	\$ 8,949,420
<i>"Pay as you go"</i>	-	112,000	550,000	600,000	650,000	700,000	2,612,000
TOTAL SOURCES	\$ 2,028,775	\$ 909,284	\$ 7,123,519	\$ 1,486,519	\$ 1,028,549	\$ 1,013,549	\$ 11,561,420
STORMWATER UTILITY							
Property Yard Shed Stormwater Improvement	-	\$ 160,000	\$ 780,000	\$ -	\$ -	\$ -	\$ 940,000
Four Mile Run Retaining Wall	-	-	-	-	220,000	900,000	1,120,000
Stormwater Facility Reinvestment*	\$2,380,002	1,000,000	-	-	-	-	3,380,002
TOTAL STORMWATER UTILITY	\$ 2,380,002	\$ 1,160,000	\$ 780,000	\$ -	\$ 220,000	\$ 900,000	\$ 5,440,002
*\$1,160 is GF cash vs.debt				-			
<i>Debt Funded</i>	\$2,380,002	\$ 1,160,000	\$ 780,000	\$ -	\$ 220,000	\$ 900,000	\$ 5,440,002
TOTAL SOURCES	\$ 2,380,002	\$ 1,160,000	\$ 780,000	\$ -	\$ 220,000	\$ 900,000	\$ 5,440,002

FY 2015–2019 CIP Project – Public Safety Core Systems

Re-approp. Request _____ New X Ongoing _____

Department/Division: IT Department & Police Department

Description/Justification:

Public Safety Core Systems - Computer Aided Dispatch, Records Management System & Field Operations Upgrade and COOP:

Mandatory systems upgrade of Police Department Computer Aided Dispatch (CAD) and Records Management System (RMS) due to lack of equipment supportability and expiring required support. These systems are the core call dispatching, incident tracking and management, and complete record history of all incidents and contacts that is required to be maintained.

This project would address the mandatory upgrade and modernization of the software and server infrastructure, along with upgrading supporting core infrastructure to support proper continuity of operations (COOP) of those systems and support of the infrastructure to the mobile CAD terminals (MCT) in field operations. This is not replacing any of the MCTs in the field or other base Police Department PCs, but rather the required software and supporting core and redundant infrastructure for required operations.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
Project Management
(outsourced): \$10,000
Engineering and Design: \$40,000
Installation / Construction: \$220,000
Total Project Cost (all years): \$270,000

Cost Estimate explanation: minimal project management costs associated to the project; the majority of costs are associated in hardware, software, vendor setup, and configuration maintenance requirements.

	FY	FY	FY	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2013 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$0	\$0	\$270,000	\$0	\$0	\$0	\$0	\$270,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$270,000	\$0	\$0	\$0	\$0	\$270,000

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____	Description:
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Project Schedule:	Dates:
Procurement:	6/15/2014
Engineering and Design:	9/2013 - 3/2014
Installation / Construction:	7/2015 - 9/2015

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Over time, improvements to the infrastructure can be expected to decrease overall operating costs, as staff time is reduced by the implemented efficiencies and reduced maintenance requirements by both staff and the vendor. After the initial 5 years of the Public Safety system investment, there would be no new additional cost to the Police Department operating budget as the same existing software maintenance contracts and telecommunication charges would apply.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Critical Continuity & Modernization Investment of the base infrastructure and systems meets the Comprehensive Plan goals found in Chapter 8 of the “Community Facilities, Public Utilities and Government Services” by providing both direct and indirect support to these goals. Relevant goals include:

- Goal 8: Continue to provide high quality police, fire, and emergency medical service to the City.

FY 2015–2019 CIP Project – Public Safety Firing Range in Fairfax City

New X Ongoing

Department/Division: Public Safety

Description/Justification:

The operation of the City of Fairfax/Falls Church Police Department's Firearms Training Center is a critical component of the department's training program. Fairfax City's 66 police officers, Falls Church's 33 police officers, 14 Falls Church Sheriff's Deputies, and four fire marshals conduct semi-annual firearms training and complete state-mandated firearms qualification courses at the facility. The facility is rapidly aging and Fairfax City Police have been awarded a grant in FY14 to upgrade the building's firing range lane capacity, failing mechanical target systems and inadequate air circulation system. It is estimated that Falls Church's cost in this partnership will be approximately \$300,000. Final negotiations for cost and construction will be finalized in late FY14.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house):	\$0
Project Management	
(outsourced):	\$0
Engineering and Design:	\$0
Construction:	\$300,000
Total Project Cost (all years):	\$300,000

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	FY	FY	FY	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt		\$0	\$300,000	\$0	\$0			\$300,000
Total:		\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000

Overall Match requirement: Cash: _____ In-kind: _____	Description: _____
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Project Schedule: _____ **Dates:** _____

Procurement:

Engineering and Design: N/A

Construction:

Impact on Operating Costs (include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The City has an agreement to pay 25% of the maintenance and upkeep of the Firearms Training Center and currently Fairfax City picks up the other 75%.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The operation of the City of Fairfax/Falls Church Police Department's Firearms Training Center is a vital component to the mandatory training of the City of Falls Church Police Officers, Deputies, and Fire Marshal. Council Vision, Comp Plan Chapter 8 and Police accreditation requirements speak to the quality government service and critical public safety community needs.

FY 2015–2019 CIP Project – Fire Station HVAC

Re-approp. Request _____ New X Ongoing _____

Department/Division: Public Safety, Fire Services

Description/Justification:

The City owns Fire Station #6, where construction was completed in Spring 2001. Over the past 11 years it has been found that several building systems were built with more of a consideration towards acquisition costs and less consideration of operating costs. The HVAC system in the building is a combination of water-circulated heat supplied by two natural gas boilers, and air conditioning supplied by 12 residential-grade electric air conditioning units.

The boiler heating system has been relatively maintenance free, but the air conditioning systems have been a significant dependability problem. In FY12 (most recent year of data) maintenance costs for A/C repairs were just above \$26,000. As these systems continue to age, their maintenance requirements continue to escalate, making replacement a viable and necessary alternative.

A light industrial facility such as this would be better served by a larger, more centralized cooling system, which would not only require less maintenance, but would provide cooling with greater energy efficiency.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
 Project Management
 (outsourced): \$0
 Engineering and Design: \$0
 Construction: \$250,000
Total Project Cost (all years): \$250,000

Figures based upon informal discussions with HVAC contractors and architects. Additional research and procurement activities (such as an RFI and RFP) will be required to ensure accurate cost projections.

	FY	FY	FY	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2013 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____	Description:
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Project Schedule:	Dates:
Procurement:	<u>8/1/2014</u>
Engineering and Design:	<u>12/1/2014</u>
Construction:	<u>5/1/2015</u>

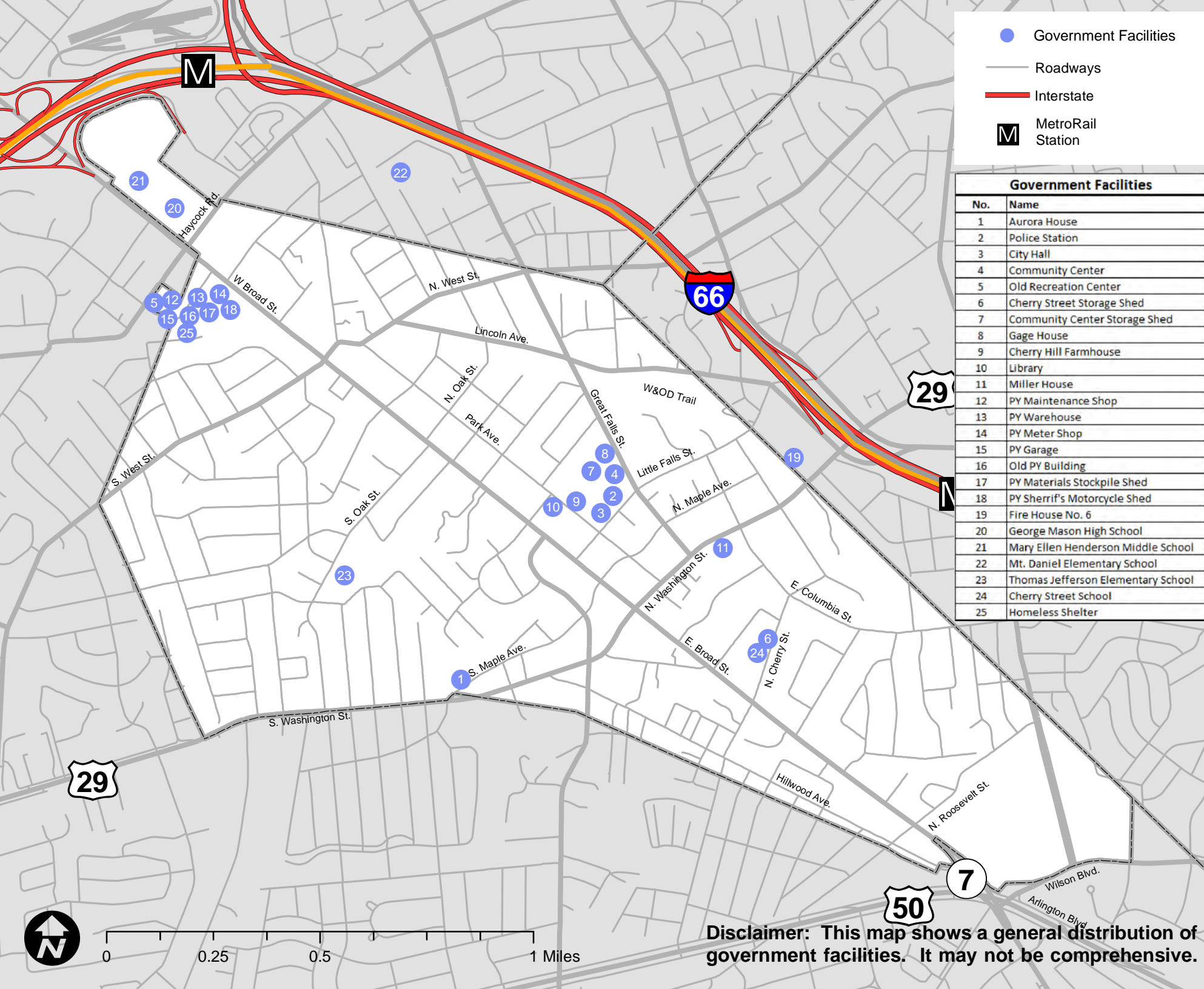
Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

We expect with further engineering that we can demonstrate annual maintenance costs of less than \$10,000 annually, and increased energy efficiency improvements (the specific amount is still to be determined).

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Enhancing City facilities meets Comprehensive Plan goals found in the "Community Facilities, Public Utilities and Government Services" chapter. "Public services are an integral component of a healthy community structure. They support existing and future development and contribute to the health safety, education and welfare of citizens and businesses in the community. Public services include government services, such as schools, library services, public safety and public works."

FY2015-2019 CIP Government Facilities



City of Falls Church Long Range Master Facility Plan (February 2014)

	Adopted Prior \$	Adopted CIP	Adopted CIP	School Board/ MRSPL Board of Trustees Adopted and General Govt. Department Proposed					Projections	Projections	Projections	Totals
Enterprise Projects	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20-24	FY25-29	FY30-34	
FCCPS												
School Replacement/Modernization	\$100K	\$485K \$433K					\$400K					\$1.418M
Thomas Jefferson ES	\$5.95M	\$4M			\$2M				Reserve: \$TBD- FY17	Reserve: \$TBD- FY17	Reserve: \$TBD- FY17	\$11.95M
Cherry St. Pre-school			\$2.4M									\$2.4M
Mt. Daniel ES			\$1M	\$8M	\$6.6M							\$15.6M
George Mason HS					\$99.5M							\$99.5M
Mary Ellen Henderson ES						\$5M						\$5M
General Government												
Facility Systems Reinvestment (HVAC/Roof/ Elevator)	\$100K	\$220K	\$305K	\$502K	\$350K	\$350K	\$350K	\$350K	Reserve: \$1.7M (340K/yr.) (start funding in FY16 annually) Policy: 2.5% Replacement 3.75% Repair/ Maintenance Facilities: 1-Systems Reinvest. 2-Library 3- Comm Ctr Facilities: 1-Systems Reinvestment 2-Property Yard 3-Farmhse/ Barn 4-Aurora House	Reserve: \$1.7M (340K/yr.) Policy: 2.5% Replacement 3.75% Repair/ Maintenance Facilities: 1-Systems Reinvest. 2-Gage House 3-Fire Station	Reserve: \$1.7M (340K/yr.) Policy: 2.5% Replacement 3.75% Repair/ Maintenance Facilities: 1-Systems Reinvest. 2-Gage House 3-Fire Station (City Hall repeats next 5-year cycle)	\$2.527M
City Hall/ Public Safety Critical Renovations	\$1M	\$796K	\$2.604M									\$4.4M
City Hall/Public Safety Front Expansion	\$300K	\$1.3M										\$1.6M
City Hall Campus Parking		\$1.2M										\$1.2M
City Hall/ Public Safety Rear Expansion		\$675K	\$3.825M									\$4.5M
MRSP Library Expansion		\$100K			\$1.5M	\$1M	\$11.69M	\$4.5M				\$18.79M
Fire Station 6 System Renovations (HVAC/Doors/Windows)			\$538K	\$250K								\$788K
Cherry Hill Farmhouse/ Barn Renovations & Accessibility												
Community Center Renovations/ Expansion												
Property Yard Accessibility & Renovations												
Aurora House Renovations & Accessibility												
Library Renovations												
TOTALS (in FY14 dollars)	\$7.450M	\$9.210M	\$10.672M	\$8.752M	\$110M	\$6.35M	\$12.44M	\$4.85M	\$1.7M	\$1.7M	\$1.7M	\$175M

Five-year Projection (without high school and middle school funding, pending economic development):

Five Year Fund Balance Projection Through FY2019 Recommended	FY2013 Actual	FY2014 As Projected	FY2015 Projected	FY2016 Projected	FY2017 Projected	FY2018 Projected	FY2019 Projected
Total Operating Revenues	\$ 71,871,638	\$ 74,101,375	\$ 77,198,942	\$ 79,900,905	\$ 82,697,437	\$ 85,591,847	\$ 88,587,562
General Fund Expenditures Before Capital*	63,138,506	70,748,834	72,203,818	74,680,892	75,486,037	77,608,507	80,071,191
Net Operating	8,733,132	3,352,541	4,995,124	5,220,013	7,211,400	7,983,340	8,516,370
Use of Fund Balance	-	1,478,300	-	-	-	-	-
Estimated Additional Revenues	-	2,050,000	-	500,000	500,000	500,000	500,000
Use of Capital Reserve	-	-	1,752,000	1,198,000	-	-	-
Contribution to Fund Balance	-	-	-	-	-	-	-
Contribution to Capital Reserve	-	(2,950,000)	-	-	-	-	-
Paygo Transportation Fund	-	-	(800,000)	-	-	-	-
Paygo & Stormwater (FY14 only)	(2,033,076)	(1,500,000)	(952,000)	(645,000)	(600,000)	(700,000)	(700,000)
Debt Service	(4,305,353)	(4,330,841)	(4,995,124)	(5,773,013)	(6,611,400)	(7,283,340)	(7,816,370)
Net Capital	(6,338,429)	(5,252,541)	(4,995,124)	(4,720,013)	(6,711,400)	(7,483,340)	(8,016,370)
Addition/(Reduction) to Fund Balance	2,394,703	(1,900,000)	(0)	500,000	500,000	500,000	500,000
Capital Improvement Program							
Capital Improvement Expenditures	(7,533,141)	(15,364,032)	(11,647,000)	(115,372,000)	(12,735,000)	(21,627,000)	(10,415,000)
Transfers in fom General Fund	2,033,076	600,000	-	-	-	-	-
Use of Capital project fund balance**	-	-	-	-	-	-	-
Use of Capital Reserves	-	-	-	-	-	-	-
Use of Paygo Reserves	-	-	1,752,000	645,000	370,000	770,000	570,000
Proceeds from capital grant funds	547,023	1,089,984	-	1,208,000	1,232,000	620,000	355,000
Proceeds from bond sale	-	13,674,048	9,895,000	10,900,000	2,148,000	12,780,000	5,290,000
Only if grant/revenue offset	-	-	-	3,119,000	3,425,000	7,447,000	4,190,000
MRSPL capital campaign fund	-	-	-	-	-	10,000	10,000
School financing plan	-	-	-	99,500,000	5,560,000	-	-
Net Cash Flow from CIP	(4,953,042)	-	-	-	-	-	-
Unassigned Fund Balance, beginning	14,869,105	14,821,921	12,921,921	12,921,921	13,421,921	13,921,921	14,421,921
Unassigned Fund Balance, end of year	14,821,921	12,921,921	12,921,921	13,421,921	13,921,921	14,421,921	14,921,921
Capital Reserve Fund Balance	126,000	3,016,000	1,198,000	-	-	-	-
Paygo Reserve Fund Balance	-	-	-	-	230,000	160,000	290,000

KEY RATIOS

Fund Balance

Gen Govt Fund balance as % of expenditures	22.0%	17.2%	16.7%	16.7%	17.0%	17.0%	17.0%
Policy Target (17% of Expenditures)***	11,465,456	12,763,545	13,123,820	13,677,164	13,956,564	14,431,614	14,940,885
Undesignated Fund Balance, end of year	14,821,921	12,921,921	12,921,921	13,421,921	13,921,921	14,421,921	14,921,921

Debt Service

Existing	4,305,353	4,330,841	4,995,124	4,956,138	4,893,813	4,908,578	4,868,933
New****	-	-	-	816,875	1,717,588	2,374,763	2,947,438
Total	4,305,353	4,330,841	4,995,124	5,773,013	6,611,400	7,283,340	7,816,370
Debt service as % of expenditures	6.4%	5.8%	6.5%	7.2%	8.1%	8.6%	8.9%
Policy Limit (12% of Expenditures)	8,093,263	9,009,561	9,263,873	9,654,469	9,851,692	10,187,022	10,546,507

*Expenditures are based on a balanced budget and are not based on current projections of FY2015 through FY2019expenditures.

***New policy effective December 12, 2011.

****3.25%-4.25% Interest rate used for debt service calculation

General Government Project Timeline (as of April 2013/ to be updated):

	CY 2013 Milestones				CY 2014 Milestones				CY 2015 Milestones			
Major Activities	Jan-Mar (FY13)	Apr-Jun	Jul-Sept (FY 14)	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept (FY15)	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept (FY 16)	Oct-Dec
Roof Phase 2	design	Construct*	construct	construct								
Sprinkler System	phase 1- design	phase 1- construct			phase 2- design	phase 2- bid	phase 2- final design/ construct*	phase 2- construct				
Phase 1- IT												
Phase 2- Existing Bldg												
Elevators		bid	design	Construct*								
Police evidence storage			bid	design	Construct*							
HVAC/Windows			bid	design		bid	Contract (CC)	construct	construct	construct		
Central Front Entrance/ below grade PD area		bid development	bid	design-prelim	public input/Council action	Site Plan (PC)/ Contract (CC)	bid	final design/ construct	construct	construct	construct	
Structured Parking		bid development	bid	design-prelim	public input/Council action	Site Plan (PC)/ Contract (CC)	bid	final design/ construct	construct	construct	construct	
Rear Expansion/Internal Relocation		bid development	bid	design-prelim	public input/ Council action	Site Plan (PC)/ Contract (CC)	bid	final design/ construct	construct	construct	construct	construct
Water foundation seepage		bid development	bid	design-prelim	public input/Council action	Site Plan (PC)/ Contract (CC)	bid	final design/ construct	construct	construct	construct	construct

Legend:

- Design-
- Public Input/Council Action-
- Bid-
- Site Plan/Contract Award/ Public Input-
- Final Design & Construct-

*- depending on design and cost estimates may require Council contract award action

Facility Reinvestment Policy:

The City should establish a facility reinvestment policy for general government and school facilities, to be funded annually to provide pay as you go (Paygo) or debt service funding for future capital facility needs for replacement, repair and maintenance. The funds would be allocated for use as part of the 5-year CIP budget ordinance adoption. This funding resource should be available starting with the FY2019- 2023 cycle which follows the current CIP period under development; to achieve this it is recommended to start funding this reserve no later than FY2016. Note this is in addition to the current capital reserve fund policy, which applies to all capital projects, in order that facilities received generally used industry standard reinvestment rates. This approach is feasible only if the adopted and proposed facility CIP plans are executed in order correct long standing issues due to past underinvestment. The funds would be used to cover the debt service for facility projects or as Paygo; significant large scale projects may require additional funding commitments.

General Government Framework (same model recommended for school facilities):

Standard funding levels based upon total depreciable assets:

Replacement:	2.5%
Repair:	2.5%
Maintenance:	<u>1.25%</u>
TOTAL	6.25%

Methodology calculation:

Total Depreciable Assets	92,834,636
Less: Machinery and Equipment	<u>(11,235,625)</u>
Balance	81,599,011
	X 6.25%
Amount	5,100,000/3
Amount per five year interval	\$1,700,000
(Annual calculation	\$340,000)

Provides for \$1.7M borrowing for very 5-years bond term with \$340,000 per year debt service (principal and interest)
Provides an option to Paygo \$1.7M over a 5-year or borrow upfront the \$1.7M and pay approximately \$100,000 in interest with a 5-year bond term

FY 2015–2019 CIP Project – City Facilities Reinvestment

Re-approp. Request_____ New_____ Ongoing X

Department/Division: Public Works

Description/Justification:

The City operates eleven major facilities and eleven ancillary buildings totaling over 160,000 square feet excluding any building acquisition for redevelopment. These buildings include: City Hall, Gage House, Aurora House, Community Center, Library, Cherry Hill Farmhouse, Property Yard Office/Maintenance Building, Old Property Yard Maintenance Building, Property Yard Warehouse, Parks & Recreation Storage Building and Homeless Shelter. Most of the City Hall/Public Safety facility concerns will be addressed through the ongoing Critical Renovations CIP project. However, the needs of the other facilities must also be addressed. In order to best allocate resources, the City will develop a conditions assessment of these City facilities to detail and prioritize individual projects. This assessment will guide the reinvestment program for the next three – five years. Beyond developing and prioritizing specific projects this conditions assessment will describe a maintenance program to address safety, functionality and energy conservation of each of these facilities for their respective building lives. Identified projects include: Cherry Hill Farmhouse porch repairs, re-roof the Community Center, ADA compliance at the Aurora House, Library elevator replacement/repair, City Hall attic insulation repair, Gage House ADA compliance and porch structural repairs, Community Center hot water heater replacement, Property Yard external stair replacement, re-roof shop bays at the Property Yard, structural repairs and bay door replacement at 7111 Old Property Yard.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$315,000
 Project Management
 (outsourced): \$0
 Engineering and Design: \$300,000
 Construction: \$1,500,000
Total Project Cost (all years): \$2,115,000

Cost Estimate explanation: Staff time (0.7 FTE / year for 5-years at \$90K for \$315K) will be absorbed through existing staffing. The \$300K for engineering and design is assumed 20% of construction costs.

	Pre-FY15			Total Adjusted
Prior Appropriations:	\$1,030,824	\$0	\$0	\$1,030,824
Unexpended Balance**:	\$373,631	\$0	\$0	\$373,631

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local	\$0	\$0	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$1,750,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local Debt	\$373,631	\$0	\$0	\$0	\$0	\$0	\$0	\$373,631
Match: Cash								
Total:	\$373,631	\$0	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,123,631

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: Dates:

Procurement:	On Going
Engineering and Design:	On Going
Construction:	On Going

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

This sustained reinvestment in our public facilities will decrease City annual operating costs by improving energy efficiency and reducing personnel time dedicated to the repair and maintenance of aged facilities. As noted above, the operating budget will include funding for contract facilities management costs.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Maintaining City facilities meets Comprehensive Plan goals found in the “Community Facilities, Public Utilities and Government Services” chapter. Relevant Comprehensive Plan goals include:

- Determine whether existing public facilities require renovation
- Identify and prioritize facilities and programs in the greatest need of upgrading
- Develop and execute building maintenance plans for all public facilities

FY 2015–2019 CIP Project – Community Center HVAC Replacements

Re-approp. Request_____ New X Ongoing____

Department/Division: Public Works - Operations

Description/Justification:

Replace the two main air handler units for the gym in the Community Center. Replace aging valves and pumps associated with aging HVAC equipment. The original air handlers and some associated equipment are at life expectancy and need to be replaced.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$2,000
 Project Management
 (outsourced): \$0
 Engineering and Design: \$0
 Construction: \$150,000
Total Project Cost (all years): \$0

Cost Estimate explanation: Cost estimate based on a 2013 quote for replacement of the 2 HVAC units. Assume an additional \$35,000 for pump and valve replacements.

	FY	FY	FY	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0	\$2,000
Match: Cash								
Total:	\$0	\$0	\$152,000	\$0	\$0	\$0	\$0	\$152,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: Dates:

Procurement:	Aug-14
Engineering and Design:	NA
Construction:	Dec-14

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Replacing the HVAC will lead to a decrease in utility costs.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Maintaining City facilities meets Comprehensive Plan goals found in the “Community Facilities, Public Utilities and Government Services” chapter. Relevant Comprehensive Plan goals include:

- Determine whether existing public facilities require renovation
- Identify and prioritize facilities and programs in the greatest need of upgrading
- Develop and execute building maintenance plans for all public facilities

FY 2015–2019 CIP Project – Library Building

Re-approp. Request_____ New_____ Ongoing_X__

Department/Division: Library

Description/Justification:

The Library should be the intellectual center of our community. Because Falls Church deserves a modern library for the 21st century the Mary Riley Styles Library Board of Trustees worked with consultants in FY13 to develop a draft Master Plan for the Library which also included a review of a 2008 Space Study and extensive public consultation. The goal is a library for the future that accommodates City growth and adheres to the City's Comprehensive Plan.

The City's current population is 13,299 and is expected to increase to 15,540 by 2033. Currently, the Library has over 27,000 registered borrowers, and that number is expected to exceed 35,000 by 2033. Library statistics show circulation was 446,563 last year; 64,853 reference transactions took place; almost 300,000 people visited the library; and, 554 programs were presented with over 17,000 people attending them. The Library also experienced the largest summer reading program in its history, with 1,280 children participating. For the sixth consecutive year the Library won a Star award, which measures usage as compared to peer libraries nationwide and is one of only two in Virginia to receive this award each year it has been given. The draft Master Plan concludes that additional space is needed to support current and projected future functions, and that the Library should add 14,500 square feet to its existing 18,500 square foot facility to bring its size to 33,000 square feet. In addition to adding square footage, the draft Master Plan recommends upgrades to the existing building.

The original Library building was constructed in 1957 and expanded in 1968 and 1992 to meet changing demands. The facility analysis conducted as part of the Master Plan process portrays a building that is: ADA deficient in many aspects and in need of many infrastructure repairs or replacements; it lacks storage and sufficient security systems and measures, space for large audiences which routinely occur weekly during story hours, study spaces for students after school and on weekends, larger public restroom space, and Local History room space. Shelving is too high, the elevator is old and unreliable, and the heating/air conditioning system does not work properly.

In response to the assessment in the draft Master Plan, the Library Board's preferred option, which best meets the many needs for an improved facility over the coming years is Conceptual Design Proposed Plan A which consists of razing the existing building, rebuilding a new 33,000 GSF two story building on a larger footprint in its current location with an entrance relocated to Park Avenue. The new building would have a minimum LEED rating of Silver.

Project Cost Estimate:

The costs listed here are provided by McMillan Pazdan Smith Architecture and represent the average of HIGH and LOW ranges of the rough cost per square foot construction estimates. The cost range accounts for the numerous unknown variables that exist at the conceptual design phase of a project. As the project's design develops in detail, construction cost numbers can be fine tuned. Some of the variables include the level of finish and detail, the level of sustainable elements, relocation costs, the client process requirements, and the number of construction phases.

Staffing (in-house): \$0

Project Management
(outsourced): \$0

Engineering and Design: \$1,500,000

Construction: \$17,180,000

Total Project Cost (all years): \$18,680,000

Cost Estimate explanation: A/E fees (includes architectural design, civil, structural and MEP engineering; interior/furniture design and library service and IT consultants), \$1,500,000; Temporary space relocation while project occurring includes A/E design fees, per, build-out costs, moving, leasing deposits, additional storage, and monthly rent and utilities, \$2,000,000; construction, \$14,190,000; FF&E (includes future, fixtures, and equipment with reuse of existing furniture to be determined during design process), \$990,000. Total: \$18,680,000. New library space of 33,000 GSF, \$430 cost per SQ; FF&E based on \$30 per GSF for 33,000 GSF.

	FY2012	FY2013	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$0	\$0		\$1,500,000	\$1,000,000	\$11,690,000	\$4,500,000	\$18,690,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$0	\$1,500,000	\$1,000,000	\$11,690,000	\$4,500,000	\$18,690,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: _____ Dates: _____

Procurement:

Engineering and Design: FY2016; move, FY2017

Construction: FY2018 and FY2019

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted): Increased utility bills, estimated cost for current building is \$51,500 (electric, water, gas); for a larger building, but LEED certified, it could cost around \$90,000/yr for utilities; IT equipment to include more terminals: approximately 10 PC @ \$1,000/ea, total of \$10,000 which would be refreshed every four to five years--not an annual cost; personnel increase from 17.85FTE to 25FTE in FY2018, an increase of 7.15 FTE, or about \$606,320 in salaries and benefits; supplies, additional \$10,000/yr.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

This project fulfills the following Council Vision as expressed in Chapter 8 (p. 168) of the City's Comprehensive Plan. "Vision: The City will maintain its public facilities and provide a level of public utilities and services that is sufficient to meet the current and future needs of the greater Falls Church Community and will promote the efficient utilization of all resources. Public facilities will be attractively designed to meet the City's operational goals and community appearance standards, and will be maintained and improved as necessary to provide an appropriate level of service to all residents....City schools and libraries will continue to provide excellent academic and information services to residents...." Goal 1 (p. 168) "Ensure that an excellent level of public facilities, utilities, and services are available to meet the needs of the community, while exercising fiscal responsibility." Strategy D (p. 169) Ensure that the Capital Improvements Program and the operating Goal 7 (p. 171) "Continue to provide superior public library services responsive to educational, informational, recreational, and cultural needs of all residents of the City."

FY15-19

Falls Church City Public Schools CIP

Superintendent Toni Jones, January , 2014

FCCPS CIP FY15-19

Capital Improvement Index

- 1. Growth Projections 2014-2029**
- 2. Building Capacity: Current and future**
- 3. Construction Planning Schedules**
- 4. Year by Year Overview of Projects Requested**

Falls Church Public Schools Enrollment Projections as of September 30th by Year
Data Provided by Weldon Cooper and Economic Development Projection (Mid-Range)

	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	Total
2014-15	36	206	219	191	196	178	200	182	176	205	206	210	186	182	2,573
2015-16	38	207	222	225	203	209	193	207	189	196	220	208	209	187	2,713
2016-17	40	216	230	237	249	223	236	209	221	219	218	231	213	218	2,960
2017-18	42	217	231	238	252	263	243	244	216	249	236	221	229	216	3,097
2018-19	42	216	233	239	253	268	286	252	252	240	268	239	219	232	3,239
2019-20	44	217	233	241	254	268	291	296	261	280	257	271	236	221	3,370

	PK	K-1	2 - 5	6 - 8	9 - 12	Total
2020-21	46	398	899	828	1,101	3,416
2021-22	46	407	917	787	1,200	3,502
2022-23	46	414	931	778	1,275	3,589
2023-24	46	420	943	815	1,275	3,644
2024-25	46	426	958	836	1,277	3,688
2025-26	46	432	975	846	1,245	3,680
2026-27	46	439	991	855	1,248	3,724
2027-28	46	445	1,006	869	1,292	3,802

Proposed	K-2	3-5
2020-21	607	690
2021-22	616	708
2022-23	629	716
2023-24	639	723
2024-25	648	735
2025-26	658	750

Building Capacity

Mount Daniel

Actual Building Capacity: 275 students

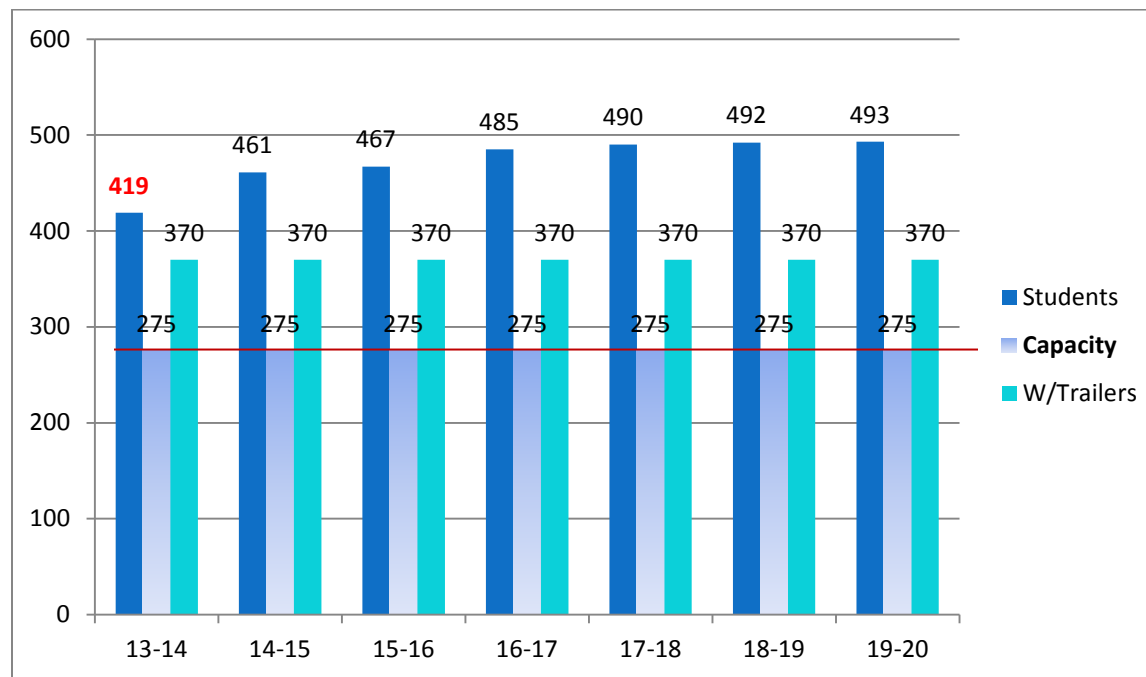
Current Building Capacity with Trailers: 370 students

After New Construction: 720-792

Kindergarten *12 Rooms x 22 Students= 264*

First Grade *12 Rooms x 22 Students = 264*

Second Grade *12 Rooms x 22 Students= 264* *****Over Capacity 2013-2014



Thomas Jefferson

Actual Building Capacity: 750

Current Building Capacity with Trailers: 5 rooms x 22 students= 110

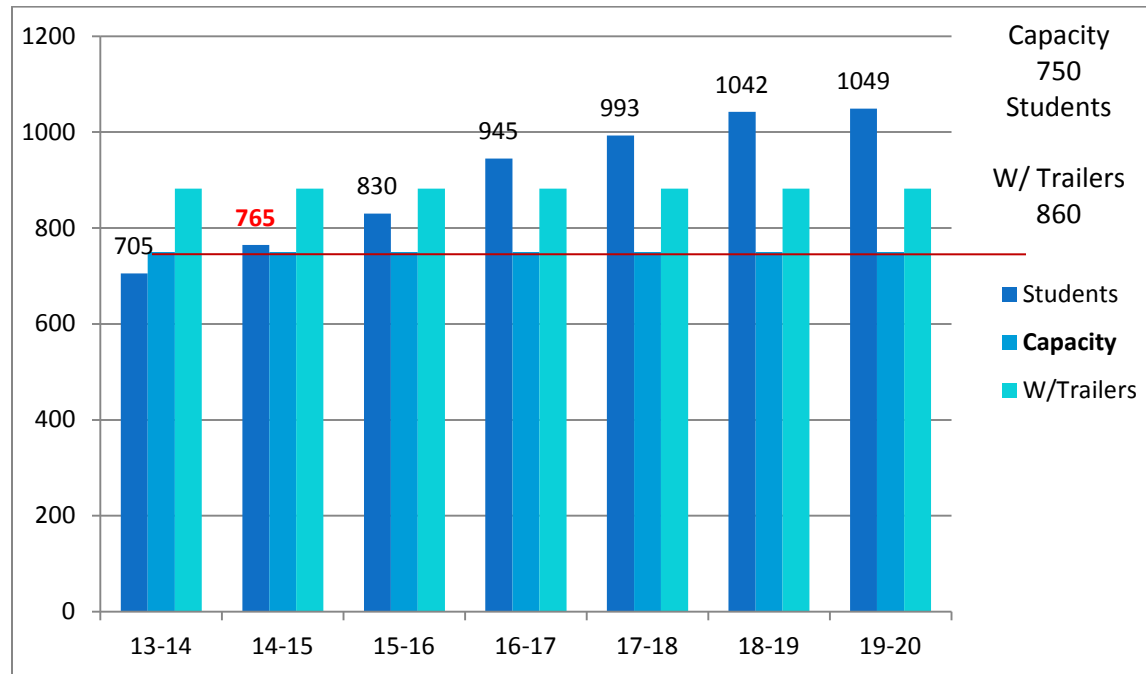
860 students with Trailers

2nd Grade 22 students x 8 Classrooms=176

3rd Grade 24 students x 8 Classrooms=192

4th Grade 24 students x 8 Classrooms=192

5th Grade 24 students x 8 Classrooms=192 (752) *****Capacity with Trailers, but all main building rooms full 2013-2014



Mary Ellen Henderson Middle School

Actual Building Capacity: 600 students

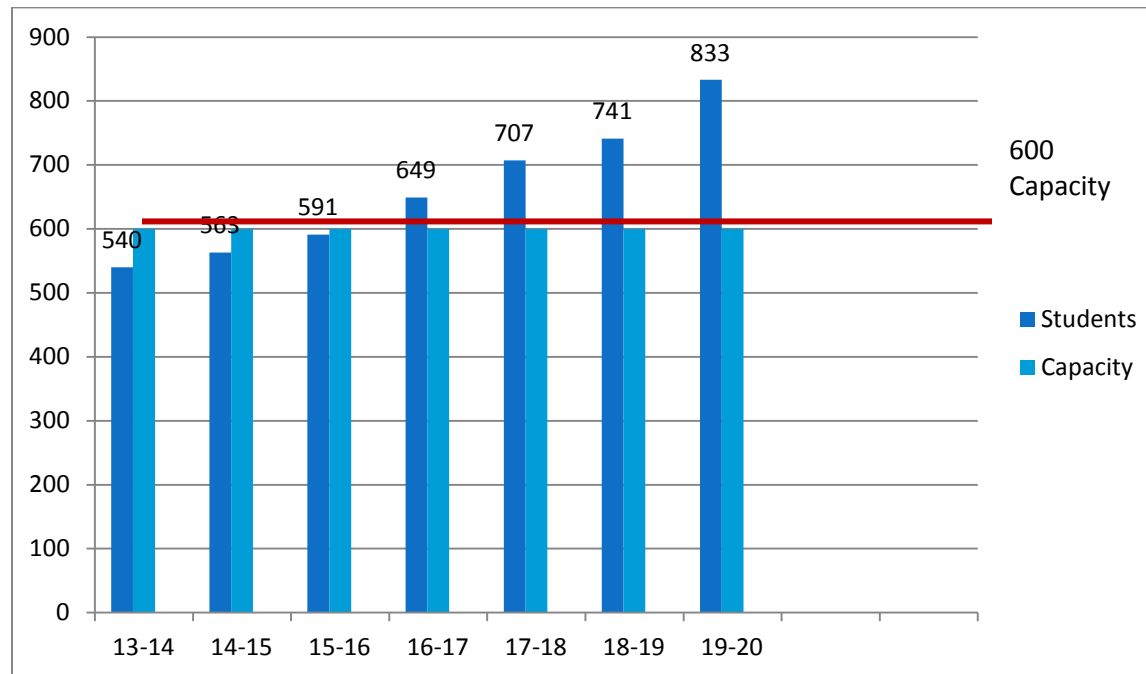
This graph shows current student enrollment projections in blue.

The red bar is the current capacity of the building.

6th Grade 24 students x 8 Classrooms=192

7th Grade 24 students x 8 Classrooms=192

8th Grade 24 students x 9 Classrooms=216 (600 students) *****At capacity 2015-2016

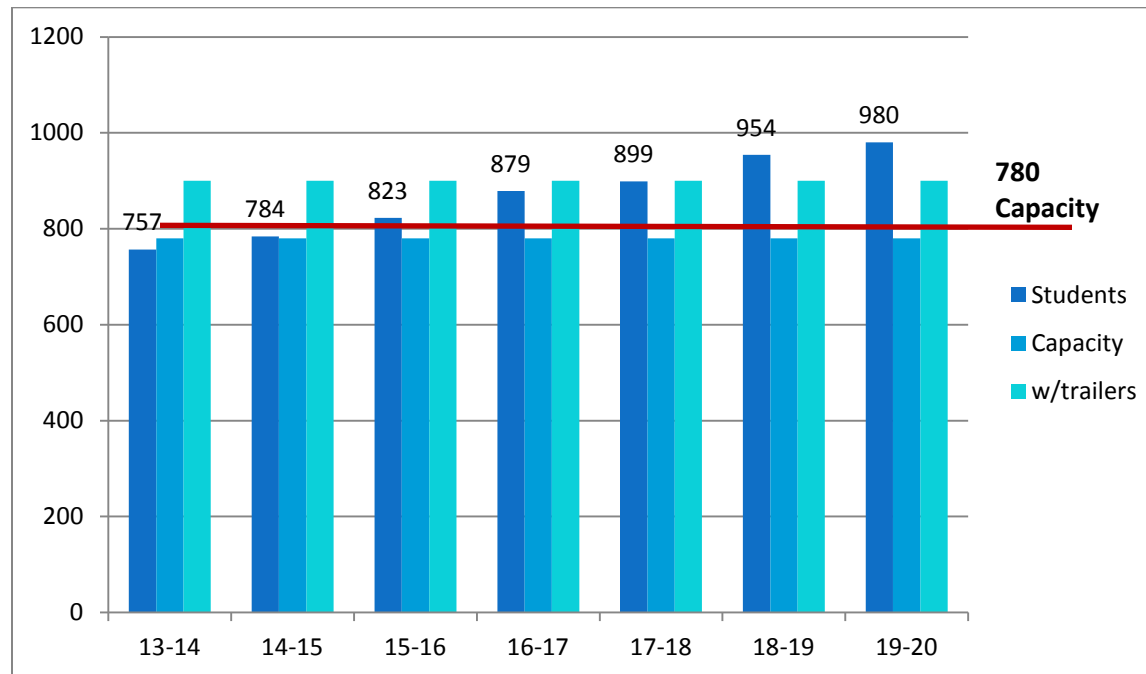


George Mason High School

Actual Building Capacity: 780 students **GM will reach over 1,000 students on or before 2020 (7 years)**

With Six Trailers: 900 students

38 Rooms x 24 Students= 912 *****At Capacity with no trailers 2013-2014, *****At Capacity with trailers 2017-2018



Falls Church City Public Schools Construction Schedule

Phase 1		2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
	Thomas Jefferson Addition/Renovation	Build	Occupy					
	Cherry Street Renovation Pre-School	Design	Build	Occupy				
	Mount Daniel		Analysis **RFP Issued	Design	Build	Build	Occupy	
Phase 2	George Mason		Facilities Planning Group	Design	Design	Build	Build	Occupy
Phase 3	Mary Ellen Henderson				Design	Build	Occupy	

Phase 1 : Meeting the needs of the elementary and middle school through the work completed

Phase 2: Focus on George Mason High School

- Improving internal building and external site circulation,
- Enhancing community access to and use of the facility during non-school hours, and
- Replacement of outdated/failing mechanical systems with high-efficiency systems utilizing solar or other renewable energy.

Phase 3:

- Mary Ellen Henderson Modernization and Expansion for Growth

FCCPS 'Design-Build-Occupy' PROCESS

Policy: 4.30.1 Facilities Planning Sequence

SB Approves Scope of Work and Approves ASAC Committee as recommended by Staff

***Reviews and approves Architect/Engineer from Selection Process if current
PPEA is not Utilized**

Staff Review and Approve Program Requirements

Architect and Engineers Develop Schematic Design and City Required Assessments

ASAC Reviews and Makes Recommendations on Schematic Design

Schematic Design Presented to the SB for Briefing

**ASAC Holds Larger Meetings for Community and Staff Input and Feedback
(PTA, Staff Meetings, SB Work Session)**

Review of 65% Drawings ...makes adjustments, then 95% Drawings and specifications

School Board approves final drawings and specifications

**Final Drawings Submitted- ASAC Provides periodic input and updates
to staff , PTA. and Broader Community (To Include Web updates)**

**Construction Begins (On-going dialogue with ASAC, Administration, and SB)
Debriefing 90 Days after Occupancy**

*****FCCPS CIP Is subject to amendment if enrollment growth or other factors should change**

YEARLY TOTALS	FY14	FY15	FY16	FY17	FY 18	FY 19
Project Title And Cost	<p>Cherry Street Property Renovation- Construction Addendum #1</p> <p>\$2,400,000</p> <p>-----</p> <p>Mount Daniel Expansion and ADA Renovations Year 1 \$1,000,000 Addendum #1</p>	<p>George Mason Yr 1 \$500,000 Planning Addendum #3</p> <p>-----</p> <p>Mount Daniel \$14,600,000 Explore Expanding for K-2 Building to accommodate rapid growth in early childhood and free up 8 classrooms at TJ</p> <p>RFP Issued to Explore Multiple Options Addendum #1</p>	<p>George Mason Y2 School Construction</p> <p>\$99,500,000</p> <p>-----</p> <p>Systems Renewals To include TJ HVAC \$2,000,000 Addendum #2 \$400,000-*included in above number</p> <p>-----</p> <p>Football/Soccer Turf Replacement \$200,000 (\$200,000 additional funded form the City CIP to Share the Cost)</p> <p>Track Resurface \$160,000 Addendum #5</p>	<p>MEH Wing \$5,000,000 Addendum #4</p> <p>-----</p> <p>Systems Renewals \$400,000</p>		
Project Detail and Impact Cost	Cherry Street Planned renovation for ADA and Fire Hazard upgrades to accommodate	Mount Daniel Planned renovation/expansion and ADA upgrades for to accommodate increased student	New Construction for George Mason High School \$350 per square foot	New Construction for George Mason High School		

	<p>classroom space. Estimate driven from ARCADIS and The Lukemire Partnership: Architecture, Planning and Design</p> <p>Impact: Estimated Utilities \$14,320 8,000sf x \$1.79</p> <p>Maintenance \$3,000 *primarily light bulbs and basic fixtures for new construction</p> <p>Once MD is expanded- gain back the utility expense from the portables</p>	<p>population.</p> <p>Impact: Estimated Utilities increase \$17,900 10,000sf x \$ 1.79</p> <p>Maintenance \$3,400 *primarily light bulbs and basic fixtures for new construction *Addendum #1</p>	<p>at 275,700 square feet</p> <p>Phase 1 Impact: Estimated Utilities – No Increase due to replacement of old building and more efficient resources</p> <p>During the construction phase estimated increase could be \$50,000</p> <p>*Addendum #3</p>	<p>Phase 2</p> <p>Impact: Estimated Utilities – No Increase due to replacement of old building and more efficient resources</p> <p>During the construction phase estimated increase could be \$50,000</p>		
All School Sites Projects				Systems Replacement, Renewal and Modernization *TBD		

				\$400,000		
Community Use Areas			Football/Soccer Field Turf Replacement \$200,000 (\$200,000 City \$200,000 Schools) Track Resurface \$160,000 It is advised that these two projects be done at the same time in order to reduce cost and get a better finished product.			

<p>Project Conformity with Comprehensive Plan</p> <p>All Projects</p>	<p>Schools Environmental Goal 1: The Falls Church City Public Schools will be safe, healthy and comfortable environments for students, staff and the community.</p> <p>Community Community Facilities 1-D: Ensure that the CIP and the operating budget provide sufficient funds to support an appropriate level of maintenance for City facilities and service.</p> <p>Community Facilities 3-A: Ensure that all public buildings and facilities are in compliance with the American with Disabilities Act (ADA)</p> <p>Community Facilities 4-A: Determine whether existing public facilities require renovation, expansion or elimination.</p> <p>Community Facilities 5-A: Continue to review population projections for schools to prepare for future demand levels.</p> <p>Community Facilities 5-B: Maintain the current educational infrastructure.</p>
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ADDENDUM #1 Mount Daniel Renovation and Expansion to a K-2 Site

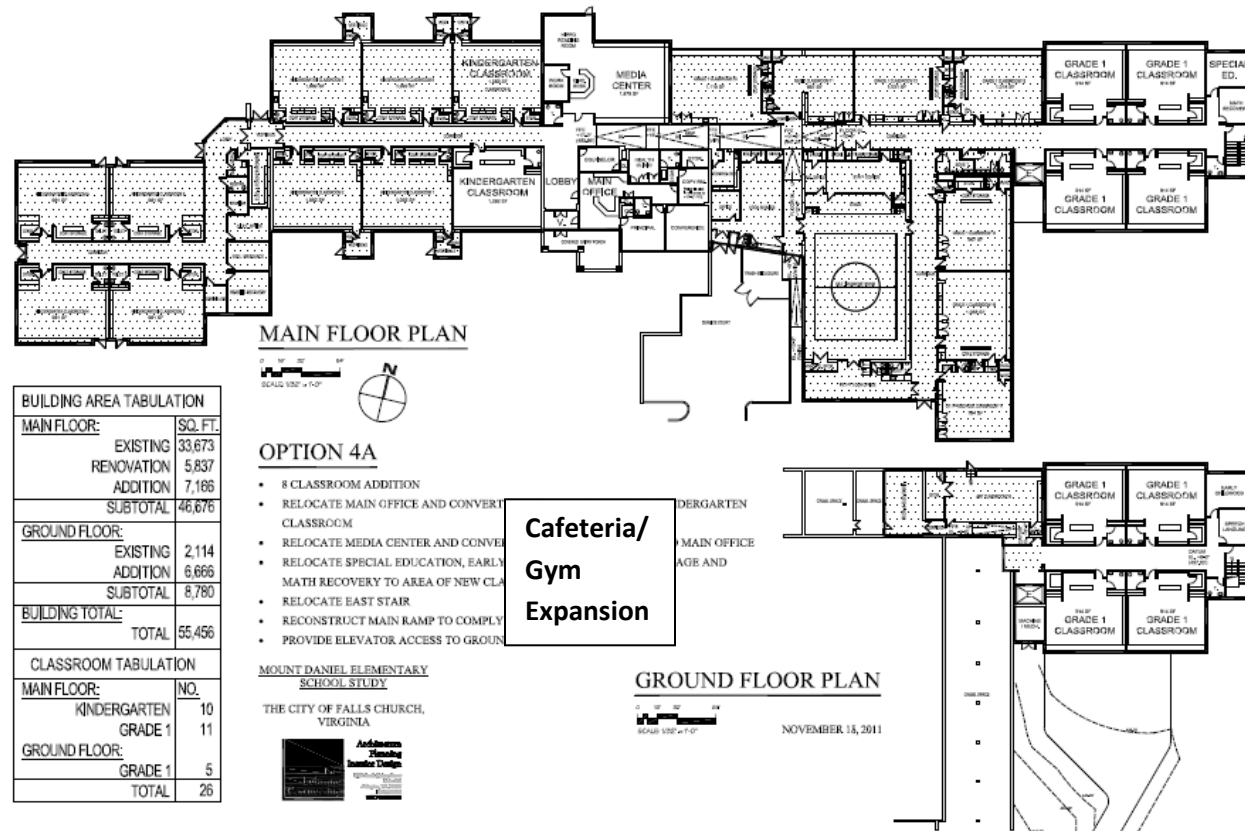
The Lukmire Partnership was contracted in 2011-2012 to assess and design for FCCPS in regards to Mount Daniel Elementary to provide options for renovation and expansion.

**It is noted that growth projections demonstrate a need to explore a new school site as part of the initial process before proceeding with this exact design. An ideal school site would allow a K-2 building to be constructed and alleviate much of the pressure which is now placed on Thomas Jefferson due to the rapid student population growth- moving 2nd to a new early childhood building.

FCCPS is working to find a way to balance student enrollment growth at the elementary level. An RFP issued in January will allow the School Board to explore all options.

Proposed would allow 12 classrooms on each grade K, 1, and 2 : 792 students maximum

Proposed	K-2	3-5
2020-21	607	690
2021-22	616	708
2022-23	629	716
2023-24	639	723
2024-25	648	735
2025-26	658	750



ADDENDUM #2

ADDENDUM #2

Systems Replacement, Renewal and Modernization all Sites

***Some of this will be eliminated as construction moves forward**

Description/Justification:

1. Thomas Jefferson has an aging HVAC system which has been estimated to have a life of no more than 2016. The estimated cost is \$1,600,000- to replace the system which is more than 20 years old. We want to plan for the replacement so that an emergency replacement mid-year does not emerge.

Also,

2. Mt. Daniel and George Mason are aging facilities. Major building systems such as roofs, HVAC systems, and elevators, although maintained annually, may be nearing the end of their useful lives. Therefore, it is important to plan for replacement, renewal or modernization of these systems according to their anticipated life spans. Changes in building codes since the last installation require specifications that have been priced at the indicated cost. \$400,000 Modernization

ADDENDUM #3 GEORGE MASON HIGH SCHOOL

George Mason High School Architectural Assessment

Construction of George Mason High School was completed in 1954 with several minor additions over the years and one major addition in 1994.

Upper Floor: 159,798 SF

Lower Floor: 40,227 SF

Total: 200,025 SF



The current facility is a one story building with three sections that have a lower level as the site begins to slope away from the main level elevation. The current school plan layout is a series of additions to the original school facility, placed as site availability allowed. As a result, clear circulation for students and faculty is no longer convenient or comprehensible.

Current George Mason

Classrooms	31
Science	9
Special Education Full Size	6

Electives CTE	5
Arts: Visual and Performing	5
Music	1
Gyms (not full size)	2

Limiting Factors George Mason High

- George Mason High currently operates above the desired ratio of 24:1 in the core academic curriculum.
- The elective and CTE courses tend to run below the 20:1 PTR.
- The facility's physical layout, with several level changes, makes it difficult to group classroom areas in various configurations – so interdisciplinary instruction is difficult.
- There are little or no resources areas for teachers to work together close to their classroom area.
- There are little or no designated conference areas that could be used for a variety of staff and student development uses.
- The administration office is remote from the staff and students.
- There is no sense of arrival or clear entry to the facility.
- Hallways are small, there are many dead
issue. -end corridor: and
- Demand for technology remains high.
- There is no space for the entire student body to gather at one time.
- A community television station uses a large amount of building space, but in 2012 an elective course was added that is utilizing the space.
- General purpose areas (cafeteria, etc.) are well used for other than intended purpose.

Construction Program Needs Estimate

Departments	Square feet	Number Needed for 1000 Students	Number needed for 1200-1300 Students	1200-1300 Students at GM <i>SF Needed</i>
ENGLISH Department				
Classrooms	800	10	13	10,400
Writing Lab	900	1	2	1800
Media Broadcast Center	1600	1	1	160
Academic Storage	150	1	1	150
Extra Storage	150	1	1	150
Teacher Resource Room	800	1	1	800
ESOL	400	1	1	400
Special Needs Content Area	400	1	2	800
Restroom	250	2	2	500
Data Closet	80	1	1	80
Electrical Closet	80	1	1	80
Janitorial	50	1	1	50
				16,810
Math Department				
Classrooms	800	10	13	10,400
Computer Science	900	1	1	900
Math Resource Lab	900	1	1	900
Extra Curricular Storage	150	1	1	150
Academic Storage	250	1	1	250
Teacher Resource Room	800	1	1	800
ESOL	400	1	2	800
Special Needs Content Classroom	400	2	3	1200
Toilet	250	2	2	500
Data Closet	80	1	1	80
Electrical Closet	80	1	1	80

Janitorial	50	1	1	50
				16,110
Science Department				
Universal Lab/Classrooms	1800	10	13	24,400
Student Project/Resource Area STEM Lab	1500	1	1	1500
Extra Curricular Storage	150	1	1	150
Academic Storage	150	1	1	150
Teacher Resource Room	400	1	1	400
ESOL	400	1	1	400
Special Needs Content Lab	400	1	1	400

Toilet	250	2	2	500
Data Closet	80	1	1	80
Electrical Closet	80	1	1	80
Janitorial	50	1	1	50
				28,110
Social Studies Department				
Classrooms	800	10	13	10,400
Student Project/Resource Area *Commons	800	1	1	800
Extra Curricular Storage	150	1	1	150
Academic Storage	150	1	1	150
Teacher Resource Room	400	1	1	400
ESOL	400	1	2	800
Special Needs Content Classroom	400	2	2	800
Toilet	250	2	2	500
Data Closet	80	1	1	80
Electrical Closet	80	1	1	80
Janitorial	50	1	1	50
				14,210

World Language Department				
Large Group Classrooms	900	7	9	8100
Breakout	200	5	5	1000
Small Group Classrooms	400	1	1	400
Extra Curricular Storage	150	1	1	150
Academic Storage	150	1	1	150
Teacher Resource Room	400	1	1	400
ESOL Large Group	400	1	1	400
ESOL Small Group	400	1	1	400
Special Needs Content Classroom	400	2	2	800
Toilet	250	2	2	500
Data Closet	80	1	1	80
Electrical Closet	80	1	1	80
Janitorial	50	1	1	50
				12,510
Inter-Disciplinary Commons				
Library/Media Services				
Reading Room/Stacks	4000	1	1	4000
Office	150	3	3	450
Workroom & Toilet	400	1	1	400
Enclosed Classroom	800	1	1	800
Electronic Classroom	1000	1	1	1000
Small Group/Conference	300	1	2	600

Digital Technology Storage	500	1	1	500
				7,750
Interdisciplinary Resources				
Presentation Arena	1000	1	1	1000
Small Group/ Ind Assessment	200	3	3	600
Hybrid Learning Ctr	1000	1	1	1000
				2,600

Fine and Performing Arts Department				
Visual Arts				
Art Lab	1400	2	3	4200
Teacher Resource Room	800	1	1	800
Art Storage	300	3	3	900
Graphic Arts Lab	1200	1	1	1200
Darkroom	750	1	1	750
Kiln	200	1	1	200
				8,050
Auditorium/Performance				
Main Auditorium/ Stage	12000	1	1	12000
Stage and Support Areas	4000	1	1	4000
Control Room/ Storage	200	1	1	200
Ticket Booth	50	1	1	50
Dressing room/toilet	300	2	2	300
Scene Shop & Workroom	700	1	1	700
Theatre Arts/ Drama	1800	1	1	1800
				19,050
Performing Arts				
Band/Orchestra	1600	1	1	1600
Choral	1000	1	1	1000
Instrument Storage	200	2	2	400
Uniform Storage	200	2	2	200
Practice Rooms	100	4	6	600
Music Library	150	2	2	300
				4,100
Career and Technical Education Department				
STEM /CTE	1500	1	1	1500
STEM /CTE	1500	1	1	1500
STEM/ CTE	1500	1	1	1500
Toilet	125	2	2	250
Teacher Resource Room	800	1	1	800
Storage	150	2	2	300

				5,850

Gymnasium				
Main Gym	13,440 2 courts	1	1	13,440
Auxiliary Gym	7,840	1	1	7840
Wrestling Room	3000	1	1	3000
Fitness Center	4000	1	1	4000
Indoor Storage	800	1	1	800
Outdoor Storage	250	1	1	250
Conference Room	900	1	1	900
				30,230
Lockers				
P.E. Lockers/Showers/ Team Room Boys	6000	1	1	6000
P.E. Lockers/Showers/ Team Room Girls	6000	1	1	6000
				12,000
Offices				
A.D. Office	500	1	1	500
Faculty Offices	150	5	7	1050
Coaches Offices	1500	2	2	3000
				4,550
Support Spaces				
Laundry Room	500	1	1	500
Training Room-office/private area/ whirlpool room	1500	1	1	1500
Storage/PE	800	1	1	800
Storage/Athletics	4500	1	1	4500

Ticket booth	150	1	1	150
Concession	300	1	1	300
Public Restrooms	1400	1	1	1400
				9,150
Health				
Health CR	800	2	3	2400
				2,400
Teaching and Student Support Services Department				
Special Education				
Special Needs Content Classrooms	800	1	1	800
Resource Lab	500	2	2	1000
Severe/Profound / Sensory Room	1000	1	1	1000
Life Skills Lab	1000	1	1	1000

OT/PT Lab	800	1	1	800
Transition Center (Post Grad)	1200	1	1	1200
School Store/ Coffee Bar	300	1	1	300
Teacher Resource Room/Collab	400	1	1	400
Conference/Testing Room	300	2	2	300
				6,800
Technology Support Services				
IT Administration Office/workshop	1000	1	1	1000
Digital Technology Storage	200	6	6	200
Data Closets	80	4	4	360
				1,560
Guidance/Career Center/Parent Support				
Guidance Reception	100	1	1	100
Registrar/Secretary	75	1	1	75
College/Career Center	500	1	1	500

Main Counselor's Office	175	1	1	175
Counselor's Office	150	4	4	600
IBCoordinator/Gifted	150	1	1	150
Testing/Data Coordinator	150	1	1	150
Student Support	150	1	1	150
School Psychologist	150	1	1	150
Itinerants	50	3	3	150
Small Group/Conf	200	1	1	200
Workroom	200	1	1	200
Records Storage	200	1	1	200
Parent Resource Center	200	1	1	200
Restroom	75	2	2	150
				3,150
Health Services				
Clinic Waiting/Reception	100	1	1	100
Nurse's Office	100	2	2	200
Exam Room	150	1	1	150
Resting Area	100	2	2	200
Storage	50	1	1	50
Toilets	75	2	2	150
				850
Food Services/Dining				
Dining	4000	1	1	4000
Food Prep/storage/washing/office/	2000	1	1	2000
Serving	1400	1	1	1400
Chair/Table Storage	600	1	1	600
Senior Lounge	350	1	1	350

Faculty Dining/Lounge	1000	1	1	1000
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				9,350
Administration/Safety and Building Services				
Administration				
Reception/Clerical	500	1	1	500
Principal	300	1	1	300
Asst. Principal	120	3	3	360
Staff Offices	120	3	3	360
Workroom/Mail	300	1	1	300
Conference Room	400	1	1	400
Storage/Supplies	100	4	4	400
Attendance	150	1	1	150
Bookkeeper	150	1	1	150
Records Storage	200	1	1	200
Toilets	75	2	2	150
				3,270
Safety				
Student Resource Center	80	2	2	80
In School Suspension	250	1	1	250
				330
Building Services/ Maintenance				
General Public Toilets	250	2	2	250
Custodial/Maint Office	120	1	3	120
Receiving Storage	1000	1	1	1000
Lockers/Dressing	150	2	2	150
Janitor Closets	50	7	7	50
Mechanical/Electrical	200	1	1	200
				1,770
Non-program Space 25%				55,140
Total Program Space				220,560
TOTAL				275,700

ADDENDUM #4 MARY ELLEN HENDERSON MIDDLE SCHOOL

The most cost effective time to add an additional 10 rooms to MEH would be when construction is taking place for George Mason. This would eliminate much of the overhead cost associated with construction management and request for proposal development if the project was completed in tandem with George Mason. Preferably, at the end of the George Mason project the MEH project would be underway.

Estimate: 10 rooms at 850 sf each = 8,500 square feet of rooms. 25% non-program space 2,125 sf. Total Square Feet: 10,650 sf.

10,650 sf x \$350/sf = \$3,727,500 Project Cost

\$5,000,000 Estimate due to gradual construction cost increases.

9-10 classrooms will add capacity for 168- 192 students.

(8 Program spaces, 2 elective space). 8 classrooms x 24 students in each room = 192

(7 Program spaces, 2 elective spaces). 7 classrooms x 24 students in each room = 168

ADDENDUM #5 REPLACEMENT OF TURF ON THE FOOTBALL FIELD

The football turf is at end of life. In order to prevent injuries and damage to the field the turf must be replaced.

Joint project between City and Schools- Total of \$400,000.

City of Falls Church

Meeting Date: 02-03-2014	Title: Transportation Programs in the Capital Improvement Program.	Agenda No.: NA
<u>Proposed Motions:</u> Information item only, no motion required at this time To Approve: To Approve as Amended: To Deny:		
Originating Dept. Head: Cindy Mester, Assistant City Manager (CLM 01-27-14)	Report Prepared By: Paul Stoddard, Senior Planner (PS 01-15-14) James Mak, CIP Manager/Engineer (JM 01-28-14)	

REQUEST:

Staff requests that the Planning Commission review and provide feedback on the Transportation section of the draft Capital Improvement Program (CIP).

RECOMMENDATION:

Staff requests that the Planning Commission recommend the Transportation Programs identified in the draft CIP and make a recommendation to the Council to increase transportation staff by 2 Full Time Equivalents (FTEs) beginning in Fiscal Year (FY) 2015 for CIP project management and paid for by capital funding.

CONNECTION TO COMPREHENSIVE PLAN:

Connections to the Comprehensive Plan are provided in individual program descriptions (see attachments).

BACKGROUND:

17 Previously, the City has organized transportation CIP items at the “project” scale, with each project being connected to a single source
18 of grant funding. Moving forward, staff recommends collecting individual projects into CIP “programs”. This reorganization will
19 allow the City to more easily focus investment in specific areas of the City. For example, the draft CIP includes a program for the
20 South Washington Street Planning Opportunity Area (POA).

21
22 In addition to focusing investment in specific area of interest, organizing the CIP by program will enable staff to better plan for future
23 expenditures, identify funding needs, and give the City greater flexibility in project scheduling and capitalizing on funding
24 opportunities. Again the South Washington Street POA Program provides a relevant example. The South Washington Street Small
25 Area Plan calls for several public investments in the area. Organizing related projects into a single program allows staff to coordinate
26 related projects.

27
28 Staff developed the programs in the draft CIP to coincide with the geographic Planning Opportunity Areas identified in the
29 Comprehensive Plan. Infrastructure specific CIP programs were also identified, to account for projects that involve infrastructure
30 systems on a City-wide scale and may not be confined to a single Planning Opportunity Area. The Transit Program and Traffic Signals
31 and Signs Programs are examples of City-wide infrastructure programs.

32
33 Existing CIP projects that are currently underway were aligned with the new program framework. An analysis of existing staff
34 capacity to manage existing projects was conducted to determine a realistic schedule for implementation. The proposed transportation
35 CIP realistically schedules project implementation based on project priorities and existing staff levels.

36
37 With the adoption of HB 2313 in 2013, the City will receive additional transportation funds through the Northern Virginia
38 Transportation Authority (NVTA). By maintaining existing levels of transportation funding match leverage, the City will receive
39 approximately \$2.1 million in additional funding each year. If the City increases local spending on transportation by \$0.9 million per
40 year, it will receive an additional \$0.9 million each year. Further, the \$0.9 million in local funding can be used to leverage state and
41 federal grant opportunities, which typically have match levels ranging from 50/50 to 80/20. This means that if the City elects to access
42 the maximum benefit available, an additional \$5 million in transportation funding each year will likely be made available to the City.

43
44 The City currently dedicates one Full Time Equivalent (FTE) to capital transportation project management. The City is in the process
45 of reclassifying an existing vacant inspector position as a construction manager, to be primarily dedicated to management of
46 transportation construction projects. Much of the new funding can be used to pay for staff time directly related to project management
47 and engineering. Additionally, the required \$0.9 million increase in local funding can be used to pay for additional staff members.
48

In order to utilize new funding opportunities and meet current funding opportunity demands, staff recommends hiring two additional FTEs to provide additional resources in project management, grants management, grant program identification, and transportation planning. This increase in staffing would allow the City to make better use of new funds and reduce delays in the delivery of previously appropriated projects.

FISCAL IMPACT:

With current staffing levels, it is anticipated that no new CIP transportation projects can be initiated until at least FY2018. In addition, previously approved projects will be delayed by several years and some projects will be at risk of losing their grant funding. The City will also be unable to utilize approximately \$19.5 M in grant funding through FY2019.

Staff recommends hiring two additional staff members. These staff members could be paid for through a combination of capital grants and local match funding. The local funding used to hire additional staff counts toward the City's requirement to increase transportation funding to access its full share of NVTAs funding. Therefore, local funds used to hire staff effectively returns to the City through NVTAs as transportation-specific funds.

The proposed Transportation CIP project schedule has implications for some grant funding sources.

- 400 Block West Broad Street Streetscape project will be delayed and may be defunded by \$200,000.
- N. West St/Mt. Daniel Safe Routes to School project will be delayed and may be defunded by \$372,000.

TIMING: April 2014 upon adoption of the FY15- FY19 CIP and operating FY15 budget.

NEXT STEPS:

February 3, Planning Commission meeting.

February 3 and 18, Planning Commission work session.

March 3. Planning Commission recommendation to Council.

City of Falls Church

Transportation Capital Improvement Program (CIP) Implementation Schedule

Program	Project	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
\$21,880,811 ¹ \$6,288,239 ²						
Infrastructure – Bridges \$1,950,000 ¹ \$13,110 ²	Van Buren St	Delay	Design and Construction			
	Oak St	Delay	Design	Construction		
	Sherrow Ave	Delay	Design	Construction		
Infrastructure – Traffic Signals and Signs \$1,755,000 ¹ \$406,834 ²	Signal Management Cameras (Phase 2)	Construction				
	Broad St & Cherry St		Design	Construction		
	Washington St & Columbia St		Design	Construction		
	West St & Lincoln Ave		Design		Construction	
	West St & Great Falls St		Design		Construction	
Infrastructure – Pavement ³ \$4,600,000 ¹ \$2,612,036 ²	Projects to be identified (estimated 20 year pavement cycle)	Design and Construction	Design and Construction	Design and Construction	Design and Construction	Design and Construction
Infrastructure – Pedestrian Accessibility and Safety \$1,555,000 ¹ \$0 ²	Projects to be identified				Design	Design and Construction
Infrastructure –Transit \$705,000 ¹ \$0 ²	Multiple Locations	Delay	Design and Construction			
South Washington Street Area \$8,588,811 ¹ \$1,754,564 ²	Intermodal Plaza	Construction				
	Maple Ave & South Washington St Intersection	Design	Construction			
	Streetscape, South Maple to Plaza	Design	Design	Construction		
	Street Changes South Maple to City Line	Design	Design	Construction		
	Streetscape, other projects identified in the South Washington Street Small Area Plan				Design	Design and Construction
West Broad Street Area \$2,340,000 ¹ \$170,345 ²	Streetscape, 400 Block	Delay ⁴		Design	Construction	
	Utility Undergrounding at Oak St	Delay		Design	Construction	
Non-Commercial \$437,000 ¹ \$1,331,350 ²	Roosevelt St	Construction				
	North West St	Delay ⁴			Design & Construction	
	Mary Ellen Henderson	Delay			Construction	
	W&OD Trail Plazas	Not Funded				
Funding						
Grant Funding Allocated to New Projects ⁵		\$2,815,000	\$2,008,000	\$2,032,000	\$620,000	\$355,000
Potential Grant Funding Lost Due to Missed Spending Deadline		\$0	\$0	\$0	\$572,000	\$0
Cumulative Funding Not Allocated to Projects ⁶		\$2,065,000	\$4,184,000	\$6,359,000	\$10,029,000	\$14,019,000
Staffing						
Staff Requirements in Full Time Equivalents (FTE)		2.1	2.2	2.1	2.1	2.2
Existing Staff in FTEs		2.1	2.1	2.1	2.1	2.1

¹ CIP FY 2015-19 Recommended Funding

² Unexpended Balance as of Jan 2014 (FY 2014 and Prior Appropriation)

³ Pavement Infrastructure Program is not anticipated to require significant staff resources and is not included in FTE estimate.

⁴ Delay of project may cause loss of funding

⁵ Funding allocation may precede staff’s initiation of project, due to the need to apply for grant funding in advance.

⁶ Unallocated funding sources include NVTa 30%, NVTa 70%, RSTP, SYIP, and Local funds that are restricted in availability to defined project types and scopes. Availability of funding for a project or program will be determined by the State or Federal agency overseeing the funding source.

FY 2015–2019 CIP Project – Infrastructure Program - Bridges

Re-approp. Request_____

New X

Ongoing____

Department/Division: Public Works

Description/Justification:

The City has approximately 25 structured road crossings (i.e., streams) meeting state or federal bridge criteria. The Bridge Program will allow the City to continue to operate these critical infrastructure elements safely by providing preventative maintenance, rehabilitation, and replacement as necessary.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$88,186
Project Management
(outsourced): \$0
Engineering and Design: \$311,407
Construction: \$1,550,407
Total Project Cost (all years): \$1,950,000

Cost Estimate explanation: Preliminary inspections of the facilities during 2012 identified 3 structures in "Poor" conditions. 5 year projected implementation schedule includes necessary rehabilitation work on these structures.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$50,000	\$50,000
Unexpended Balance**:	\$0	\$0	\$13,110	\$13,110

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Bond Sale ¹	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Funding Source: Local Debt	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000
Funding Source: Local NVTAs								
Match	\$0	\$0	\$0	\$800,000	\$800,000	\$0	\$0	\$1,600,000
Funding Source: NVTAs 70%	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000
Total:	\$50,000	\$0	\$300,000	\$800,000	\$850,000	\$0	\$0	\$2,000,000

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____	Description: ¹ Existing PW056 (Bridge Replacement) is being reallocated to this program.
---	--

Project Schedule:	Dates:
Procurement:	2015
Engineering and Design:	2016-2017
Construction:	2016-2017

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. Annual maintenance costs are expected to increase once bridge assessment is completed and full extent of maintenance requirements and needs are assessed and implemented.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan informs this program.

Chapter 7, Transportation.

Goal 1, Ensure that the City's transportation system is adequately maintained. Strategy A, Action, Perform an annual inspection of the City roads and sidewalk rights of way and use this as basis for determining maintenance needs. Strategy A, Action, Program funds in the budget and CIP for necessary repairs or improvements on an as-needed basis.

FY 2015–2019 CIP Project – Infrastructure Program - Transit

Re-approp. Request_____ New X Ongoing____

Department/Division: Public Works

Description/Justification:

Busess fill an important role in the City’s transportation network. Every day, buses running through the City of Falls Church picking up 1,400 passengers. All of those pickups are made at bus stops. Well-designed bus stops provide a safe, comfortable place to wait for the bus. They also provide information about bus service and nearby amenities, such as shops, restaurants, and cultural attractions.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$30,000
 Project Management
 (outsourced): \$0
 Engineering and Design: \$110,000
 Construction: \$565,000
Total Project Cost (all years): \$705,000

Cost Estimate explanation: 5 year projected implementation schedule includes implementation of Bus Shelters throughout the City as approved by the City's adopted Bus Stop and Bus Shelter Master Plan.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
DRPT Grant Funding			\$255,000					\$255,000
Funding Source: 30% NVTA			\$250,000					\$250,000
Funding Source:								
NVTA 70%	\$0	\$0	\$200,000		\$0	\$0	\$0	\$200,000
Total:	\$0	\$0	\$705,000	\$0	\$0	\$0	\$0	\$705,000

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____	
---	--

Project Schedule:	Dates:
Procurement:	2016
Engineering and Design:	2016
Construction:	2016

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. As noted in the Bus Stop and Bus Shelter Master Plan, maintenance costs are expected to be \$1,000 per shelter per year.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan and the Bus Stop and Bus Shelter Master Plan inform this program. The Master Plan provides site design standards and shelter standards. It also identifies priority locations for shelter installation. The Master Plan was developed with guidance from the Comprehensive Plan. That guidance includes the following. Chapter 7, Transportation.

Goal 6, Encourage the use of non-automotive modes of transportation within the City and to the region. Strategy G, Provide attractive and unique bus shelters in front of activity generators in the commercial corridors. Strategy B, Action, Add attractive bus shelters at highest volume metrobus and George stops, such as at the intersection of Broad and Washington Streets.

FY 2015–2019 CIP Project – Infrastructure Program - Pavement

Re-approp. Request_____ New X Ongoing_____

Department/Division: Public Works

Description/Justification:

Public streets are the most heavily utilized element of transportation infrastructure in the City. In order to provide safe, efficient means of travel along public streets, proper maintenance of pavement is necessary. This pavement program will establish a maintenance plan for street pavement to maximize their usable life. The City will implement a paving project annually to maintain and rehabilitate existing pavement using a variety of paving treatments and methods. In some cases, full depth reconstruction of the pavement may be necessary, where samples indicate that inadequate base exists to support the traffic load.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$404,875
 Project Management
 (outsourced): \$809,750
 Engineering and Design: \$809,750
 Construction: \$6,073,127
Total Project Cost (all years): \$8,097,502

Cost Estimate explanation: Projected cost and pavement implementation schedule is estimated to cover approximately 4 lane miles per year out of a total of 75 lane miles throughout the City. This Program aims for a 20 year paving cycle.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$834,000	\$558,358	\$2,105,144	\$3,497,502
Unexpended Balance**:	\$703,678	\$1,262,036	\$2,612,036	\$2,612,036

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$0	\$0	\$600,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,600,000
Funding Source: Revenue Sharing ¹	\$1,748,751	\$0	\$0	\$0	\$0	\$0	\$0	\$1,748,751
Match: Cash ¹	\$1,748,751							\$1,748,751
Total:	\$3,497,502	\$0	\$600,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$8,097,502

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____				Description: ¹ SG007 & SG17 (Roadbed Reconstruction)
Project Schedule:		Dates:		
Procurement:		2015-2019		
Engineering and Design:		2015-2019		
Construction:		2015-2019		

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Proper maintenance of roads, including reconstruction to establish a structural base layer will reduce long term maintenance costs.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan informs this program.

Chapter 7, Transportation.

Goal 1, Ensure that the City's transportation system is adequately maintained. Strategy A, Action, Perform an annual inspection of the City roads and sidewalk and use this as basis for determining maintenance needs. Strategy A, Action, Program funds in the budget and CIP for necessary repairs or improvements on an as-needed basis.

Department/Division: Public Works

Description/Justification:

Traffic signals and signs are a critical component of the City's transportation infrastructure. Traffic signals balance accessibility for varying modes of transportation and provide safe mobility for varying modes of travel. Traffic signs provide road users with instructions or information and are an integral part of transportation safety. The Traffic Signals and Signs program will increase the City's 26 traffic signals operational reliability through rehabilitation and upgrades, major repairs, and preventative work. Traffic signals will be removed from Dominion Virginia Power (DVP) poles to comply with DVP requirements where necessary. In addition, signals will be retrofitted to include pedestrian accessibility elements. The City has over 2,000 traffic and street signs. The Traffic Signals and Signs program will ensure that signs are installed to meet public traffic safety needs as well as current state and federal requirements.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$106,145
 Project Management
 (outsourced): \$0
 Engineering and Design: \$418,525
 Construction: \$2,108,526
Total Project Cost (all years) \$2,633,196

Cost Estimate explanation: 5 year projected implementation schedule includes sign retroreflectivity program and 4 intersection signal improvements
--

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$333,300	\$168,212	\$376,684	\$878,196
Unexpended Balance**:	\$0	\$30,150	\$406,834	\$406,834

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local ¹	\$120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000
Funding Source: Local	\$0	\$0	\$0	\$95,000	\$20,000	\$20,000	\$20,000	\$155,000
Funding Source:								
Revenue Sharing ³	\$0	\$0	\$800,000	\$0	\$0	\$0	\$0	\$800,000
RSTP/CMAQ ²	\$758,196	\$0	\$0	\$0	\$0	\$0	\$0	\$758,196
Match: Revenue Sharing ³ (Local)	\$0	\$0	\$800,000	\$0	\$0	\$0	\$0	\$800,000
Total:	\$878,196	\$0	\$1,600,000	\$95,000	\$20,000	\$20,000	\$20,000	\$2,633,196

Overall Match requirement:	Cash:_____	In-kind:_____	Ratio:_____	Description: ¹ PW055 (Signs Retroreflectivity Program) ² PW020 and FG059 (Closed Loop Phase 1 and 2 Video Monitoring) ³ Grant Applications Pending
-----------------------------------	------------	---------------	-------------	--

Project Schedule:	Dates:
Procurement:	2014-2019
Engineering and Design:	2014-2019
Construction:	2014-2019

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. No impact on annual maintenance costs expected.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan informs this program.

Chapter 7, Transportation.

Goal 1, Ensure that the City's transportation system is adequately maintained.

FY 2015–2019 CIP Project – Non-Commercial Areas Program

Re-approp. Request X New Ongoing

Department/Division: Public Works

Description/Justification:

This program will address improvements located outside the designated Planning Opportunity Areas of the Comprehensive Plan. The goal of projects in this program will be to improve pedestrian access, mobility and traffic safety primarily in residential neighborhoods. Projects may involve new or improved pedestrian sidewalks and trails, traffic calming strategies, bicycle facilities and related improvements. Allocation of existing resources initially focused on Roosevelt and Roosevelt as well as N. West Street and MEH SRTS.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$85,620

Project Management

(outsourced): \$0

Engineering and Design: \$307,579

Construction: \$1,561,580

Total Project Cost (all years): \$1,954,779

may not reflect what has actually been spent

Cost Estimate explanation: 5 year projected implementation schedule includes intersection improvements at Roosevelt St and Roosevelt Blvd, sidewalk improvements along Roosevelt St between Broad St and Roosevelt Blvd, Pedestrian project at N West St, and Mary Ellen Henderson School Route Project.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$145,000	\$1,058,131	\$314,648	\$1,517,779
Unexpended Balance**:	\$103,085	\$1,016,702	\$1,331,350	\$1,331,350

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source:								
HSIP ¹	\$330,000	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000
Funding Source:								
RSTP ¹	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Funding Source: SYIP ²	\$129,648	\$0	\$0	\$0	\$0	\$0	\$0	\$129,648
Funding Source: RSTP ³	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Funding Source:								
SRTS ⁴	\$361,131	\$0	\$0	\$0	\$0	\$0	\$0	\$361,131
Funding Source: Local ⁴	\$0	\$0	\$0	\$0	\$0	\$437,000	\$0	\$437,000
Funding Source: Local ⁵	\$97,000	\$0	\$0	\$0	\$0	\$0	\$0	\$97,000
Total:	\$1,517,779	\$0	\$0	\$0	\$0	\$437,000	\$0	\$1,954,779

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____ Description:

Project Schedule: Dates:

Procurement: 2014-2019
Engineering and Design: 2014-2019
Construction: 2014-2019

¹ FG058 (Roosevelt & Roosevelt) and FG57A (Roosevelt Sidewalk Improvements) are being handled as a single project for design and construction

² SG011 existing grant funding to be reallocated to FG058 and FG57A (pending)

³ Existing grant funds to be transferred from FG57 (Ped Bike Parent Project) to FG058 and FG57A (pending)

⁴ FG055 (North West Pedestrian Improvements) additional funds required

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. Improvements in the non-commercial areas of the City may require additional maintenance effort and expense. Impact to operating costs to be determined as projects are developed.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan, Design guidelines, Safe Routes to School Plan, and Neighborhood Traffic Calming Program inform this program. All of these plans speak to providing safe access for pedestrian and bicycle traffic alongside automobile traffic. The following statements from the Comprehensive Plan provide explicit guidance.

Goal 2, Ensure the safety of the traveling public. Strategy A, Mitigate identified vehicular traffic hazards. Strategy B, Improve pedestrian and bicycle safety throughout the City.

Goal 6, Encourage the use of non-automotive modes of transportation within the City and to the region. Strategy E, Establish a network of pedestrian and bicycle trails to link neighborhoods with services, shopping, parks, Metro stations, schools, and the City Center.

FY 2015–2019 CIP Project – South Washington POA

Re-approp. Request_____ New X Ongoing____

Department/Division: Public Works

Description/Justification:

The South Washington Street POA encompasses the southwestern area of the City that surrounds South Maple, South Washington, Annandale and Hillwood Ave, as identified in the Comprehensive Plan. This program will implement corridor improvements along South Washington Street and its environs to improve access to multiple modes of transportation. A new intermodal transit plaza will be constructed at the realigned intersection of Hillwood and South Washington. Bicycle facilities, curb bump outs and new traffic signals will improve safety and access for pedestrians and bicyclists. ADA improvements will be incorporated into all design elements to provide accessibility for persons with physical limitations. Streetscape improvements will provide a comfortable pedestrian environment, attracting economic investment. Undergrounding of existing overhead utilities will eliminate pedestrian obstructions and enhance streetscape aesthetics.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$436,852
 Project Management
 (outsourced): \$0
 Engineering and Design: \$1,696,498
 Construction: \$8,540,499
Total Project Cost (all years): \$10,673,849

Cost Estimate explanation: 5 year projected implementation schedule includes the Intermodal Plaza, Maple Av and S Washington St Intersection project, streetscape and pedestrian accessibility elements along various segments of S Washington St.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$2,085,038	\$0	\$0	\$2,085,038
Unexpended Balance**:	\$1,754,564	\$1,754,564	\$1,754,564	\$1,754,564

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source:								
FTA - SAFETELU ¹	\$2,085,038	\$0	\$0	\$0	\$0	\$0	\$0	\$2,085,038
Funding Source:								
VDOT (SYP) ²	\$0	\$0	\$1,472,451	\$0	\$0	\$0	\$0	\$1,472,451
Funding Source:								
Revenue Sharing ³	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Match: Cash ³	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Funding Source: VDOT (SYP) ⁴	\$0	\$0	\$2,321,360	\$0	\$0	\$0	\$0	\$2,321,360
Funding Source:								
NVTA 70%	\$0	\$0	\$700,000	\$0	\$0	\$0	\$0	\$700,000
Funding Source: Local ⁵	\$0	\$0	\$320,000	\$0	\$0	\$0	\$0	\$320,000
Funding Source:								
NVTA 30% ⁶	\$0	\$0	\$1,465,000	\$908,000	\$932,000	\$320,000	\$0	\$3,625,000
Total:	\$2,085,038	\$0	\$6,428,811	\$908,000	\$932,000	\$320,000	\$0	\$10,673,849

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____

Project Schedule:	Dates:
Procurement:	2014-2019
Engineering and Design:	2014-2019
Construction:	2014-2019

Description:
¹ Funding is tied to FG050 (South Washington Corridor & Intermodal Transit Plaza)
² Existing SG013 (Gresham/ N Washington signal), SG014 (N Washington Streetscape), SG015 (S Washington/ Maple signal) are being reallocated to this CIP Program
³ Existing SG008 (S Washington/ Maple signal) is being reallocated to this CIP Program. Revenue Sharing requires a 1:1 local match
⁴ Existing SG16 (Pedestrian and Bicycle Improvements SYP parent project) to be reallocated to this CIP program
⁵ Existing PW051 (Utility Relocations) is being reallocated to this CIP Program
⁶ Funding will not be expended until FY 2017 per proposed CIP transportation project schedule

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. New traffic signals and streetscape will increase maintenance responsibilities for Operations when complete. Operating costs to be evaluated as projects are developed.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan, South Washington Street Small Area Plan, and Design Guidelines inform this program. All of the plans speak to the redevelopment of the South Washington Street POA into a vibrant, pedestrian-friendly, commercial area. The plans call for installation of brick sidewalks, landscaping, street lighting, and undergrounding of utility lines. The following goals from the Comprehensive Plan are applicable.

Chapter 3, Community Character, Appearance, and Design.

Goal 2, Strengthen the appearance and accessibility of the City's commercial corridors. Strategy B, Create and implement a streetscape improvement programs for the Washington Street corridor and in the Seven Corners area. Strategy C, Encourage the undergrounding of utilities in the commercial corridors, Strategy I, Improve the ability of pedestrians to move back and forth across Broad and Washington Streets.

FY 2015–2019 CIP Project – West Broad POA

Re-approp. Request X New Ongoing

Department/Division: Public Works

Description/Justification:

The West Broad Planning Opportunity Area is defined by the Comprehensive Plan as the general area surrounding West Broad Street between Little Falls Street and the W&OD Trail. Projects under this program will implement the vision for this area as a vibrant, walkable, pedestrian-friendly commercial corridor. Potential projects may consist of streetscape enhancements, sidewalks, traffic calming, traffic signal improvements, bicycle facilities and other related improvements.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$112,000
Project Management
(outsourced): \$0
Engineering and Design: \$412,000
Construction: \$2,001,000
Total Project Cost (all years): \$2,525,000

Cost Estimate explanation: 5 year projected implementation schedule includes the streetscape project identified for the 400 block of West Broad Street and undergrounding of utilities along Broad Street near the Oak St intersection.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$185,000	\$0	\$0	\$185,000
Unexpended Balance**:	\$170,345	\$170,345	\$170,345	\$170,345

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source:								
TE ¹	\$185,000	\$0	\$0	\$0	\$0	\$0	\$0	\$185,000
Funding Source: Local	\$0	\$0	\$0	\$0	\$200,000	\$2,140,000	\$0	\$2,340,000
Total:	\$185,000	\$0	\$0	\$0	\$200,000	\$2,140,000	\$0	\$2,525,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description: ¹ FG054 (400 West Broad Streetscape).
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Project Schedule:	Dates:
Procurement:	2017
Engineering and Design:	2017
Construction:	2018

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. Enhanced streetscape and new landscaping will require additional maintenance labor and supplies.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The Comprehensive Plan, Broad Street Streetscape Standards, and Design Guildelins inform this program. All of the plans speak to the redevelopment of the West Broad Street POA into a vibrant, pedestrian-friendly, commercial area. The plans call for installation of brck sidewalks, landscaping, street lighting, and undergrounding of utility lines. The following goals from the Comprehensive Plan are applicable.

Chapter 3, Community Character, Appearance, and Design.

Goal 2, Strengthen the appearance and accessibility of the City's commercial corridors. Strategy A, Complete streetscape improvements to the Village section of Broad Street.

Strategy C, Encourage the undergrounding of utilities in the commercial corridors, Strategy I, Improve the ability of pedestrians to move back and forth across Broad and Washington Streets.

Chapter 7, Transportation.

Goal 2, Ensure the Safety of the traveling public. Strategy B, Improve pedestrian and bicycle safety throughout the City.

Goal 4, Manage traffic on nonresidential roadways within and into the City. Strategy D, Calm traffic on commercial streets.

Goal 6, Encourage the use of non-automotive modes of transportation within the City and to the region. Strategy D, Consider reconfiguring thoroughfares for bicycle lanes or other bicycle friendly adaptation when street improvements are being made, without widening streets. Strategy E, Establish a network of pedestrian and bicycle trails to link neighborhoods with services, shopping, parks, Metro stations, schools and the City Center. Strategy F: Encourage all commercial and public facilities to provide safe access for pedestrians, bicyclists, and persons with disabilities.

Department/Division: Public Works

Description/Justification:

In urban areas, pedestrian facilities, including sidewalks and safe crossings, are a significant component of the transportation network. Such facilities allow residents and visitors to move about freely and efficiently. When safe facilities are not available, travelers may be forced to risk a dangerous crossing or take an automobile trip just to cross a street. The City has approximately 36 miles of sidewalks along its 72 lane miles of roadway. Although there are connected sidewalks along most of the major corridors in the City, including Broad and Washington Streets, there are many areas where the sidewalk network has significant gaps. Additionally, many intersections are difficult for pedestrians to cross, and along some sections of roadway, safe pedestrian crossings are far apart.

The Pedestrian Accessibility and Safety Program will improve pedestrian access throughout the city providing safer pedestrian crossings, meeting ADA requirements, and way finding signage.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$70,144
 Project Management
 (outsourced): \$0
 Engineering and Design: \$250,928
 Construction: \$1,233,928
Total Project Cost (all years): \$1,555,000

Cost Estimate explanation: This funding will be used to enhance pedestrian safety when crossing Broad Street. The initial concept includes the provision of "HAWK" signals. These are pedestrian activated flashing lights (not traditional traffic lights) that alert motorists to pedestrian traffic. These signals have been successfully deployed in the Washington, D.C. area. Three intersections to consider are W Broad and Oak, E Broad and Fairfax, E Broad and Berry. These intersections were selected because they are high-demand crossing or because they are far from the nearest safe crossing. Additionally, these intersections align with the bus stop locations selected in the Bus Stop and Bus Shelter Master Plan. As noted in that Plan, safe pedestrian crossings are an important part of the transit network.

	FY12 and Prior	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: RSTP ¹	\$0	\$0	\$300,000	\$300,000	\$300,000	\$300,000	\$355,000	\$1,555,000
Total:	\$0	\$0	\$300,000	\$300,000	\$300,000	\$300,000	\$355,000	\$1,555,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____				Description: ¹ FG57 (Pedestrian and Bike Implementation Parent Project). \$300,000 of existing available grant funds are pending transfer to FG57A (Roosevelt Sidewalk Improvements). See Non Commercial Program for more details.
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Project Schedule:	Dates:
Procurement:	2018-2019
Engineering and Design:	2018-2019
Construction:	2018-2019

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Program scheduling takes into account existing staffing levels and workload. Annual maintenance costs will be evaluated once conceptual planning begins.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The City's Comprehensive Plan speaks to pedestrian safety and street crossings in particular.

Chapter 7 - Transportation

Goal 2: Ensure the safety of the traveling public. Strategy B: Improve pedestrian and bicycle safety throughout the City.

Chapter 3 - Community Character, Appearance, and Design

Goal 2: Strengthen the appearance and Accessibility of the City's commercial corridors. Strategy I: Improve the ability of pedestrians to move back and forth across Broad and Washington Streets.

FY 2015–2019 CIP Project – Park Master Plan Implementation

Re-approp. Request_____ New_____ Ongoing X

Department/Division: Recreation and Parks

Description/Justification:

In 1999, City Council directed staff to complete master plans for all parks in the City. All the master plans have been completed. The master plans established specific plans for the future development of each of the parks. Implementation of the master plans requires the purchase and installation of park and play equipment; construction of an athletic field; regrading and addressing drainage issues; rain garden design and installation; interpretive signage design, purchase and installation; plant purchase and installation; and the maintenance and repair of pathways, fences and picnic shelters. Another aspect of the park implementation plan will be to begin the process of making the parks and amenities in the parks accessible according to ADA standards. In FY15, FY16 and FY18, funds are being requested to complete some of the work on park master plans. At the time of funding staff will work with the Recreation and Parks Advisory Board to best determine how to allocate the money to specific park projects. Half the funds originally requested in FY15 have been moved to FY16 in hopes of beginning a more time sensitive project at Howard E. Herman Stream Valley Park.

The new request in FY19 is to begin the process of replacing 8 medium to large playgrounds in parks throughout the City. These CIP worthy projects should be addressed over the next 5 to 12 years. The money being requested in FY19 would go specifically towards replacing a playground while leaving the FY15, 16 and 18 money available for implementing other projects within the Master Park Plan.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
Project Management
(outsourced): \$0
Engineering and Design: \$0
Construction: \$0
Total Project Cost (all years): ongoing

Cost Estimate explanation: Due to the nature of the park implementation program, it is difficult to determine detailed costs. Park Master Plan Implementation is cyclical by nature and will be continuously ongoing.

	FY13	FY	FY	Total Adjusted
Prior Appropriations:	\$200,000	\$0	\$0	\$200,000
Unexpended Balance**:	\$193,546	\$0	\$0	\$193,546

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2013 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$145,650	\$0	\$100,000	\$100,000	\$0	\$300,000	\$200,000	\$845,650
Funding Source: Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local Match: Cash	\$47,896	\$0	\$0	\$0	\$0	\$0	\$0	\$47,896
Total:	\$193,546	\$0	\$100,000	\$100,000	\$0	\$300,000	\$200,000	\$893,546

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: _____ Dates: _____

Procurement:

Engineering and Design:

Construction:

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Impact will be minimal as these parks already exist. There will be some maintenance needs that can be addressed at current staff levels.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Completion of park master plans is consistent with the Comprehensive Plan as one of the goals articulated in the "Parks, Recreation and Open Space" chapter of the adopted plan. The overall vision for this chapter states, in part, that "The City will conserve and maintain existing parks....and the City will continue to provide facilities and programs for active and passive recreational activities to meet the needs of all residents and persons working in the City..." In addition, a synopsis of each of the approved park master plans is contained in the Comprehensive Plan. This project is also consistent with Council's Vision/Strategic Plan which articulates a commitment to parks and open spaces and contains a goal to implement plans and sustain resources to expand and improve City parklands.

FY 2015–2019 CIP Project – Howard E. Herman Stream Valley Park

Re-approp. Request X

New

Ongoing X

Department/Division: Recreation and Parks

Description/Justification:

In FY08, funding was appropriated for the development of the area that is now designated as Howard E. Herman Stream Valley Park (formerly Hamlett/Rees Park). Due to budget constraints all but \$86,500 of that amount was defunded. The City has purchased a small parcel of land adjacent to the park that will allow the City to move forward with the daylighting of the Coe Branch which runs through the park. Previously appropriated funding has been used to address the scope of work to include the new subdivision, consolidation of this parcel to the already existing park land, and some preliminary engineering work to begin the site plan process. The site plan once completed would also call for the installation of interpretive signs, park signs, benches and trash receptacles in the park. In addition, a more visible entrance to the park from Broad Street would be established. A firm was retained in FY08 to complete the site plan for the park. Work on that plan has been put on hold due to the reduction in funding for the project. It is estimated that an additional \$548,000 will be needed to complete the project to include an approved site plan and all construction aspects of the park.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house):	\$0
Project Management	
(outsourced):	\$0
Engineering and Design:	\$186,500
Construction:	\$448,000
Total Project Cost (all years):	\$634,500

Cost Estimate explanation: \$86,500 remained after defunding a large part of the project. Additional money is being requested for engineering to complete the site plan and for construction costs. Amounts have been requested to be reallocated due to the current daylighting work being done on the site. It would be advantageous to complete some projects while the grant funding public works daylighting project is being done.

	FY08	FY10	FY	Total Adjusted
Prior Appropriations:	\$175,000	(\$88,500)	\$0	\$86,500
Unexpended Balance**:	\$28,600	\$0	\$0	\$28,600

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2013 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$28,600	\$0	\$100,000	\$100,000	\$348,000	\$0	\$0	\$576,600
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$28,600	\$0	\$100,000	\$100,000	\$348,000	\$0	\$0	\$576,600

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule:	Dates:
Procurement:	Summer 2014
Engineering and Design:	Fall/Winter 2014/2015
Construction:	2016

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Impact will be minimal as this park already exists. There will be some maintenance needs that can be addressed at current staff levels.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Completing a trail through HEHSVP is consistent with the Comprehensive Plan as one of the goals articulated in the "Parks, Recreation and Open Space" chapter of the adopted plan to maintain a high quality of existing parkland and open space and continue efforts to link parks, open space and transportation corridors with bike trails and footpaths. The trail through HEHSVP will serve as a link in the City's efforts to have a trail that runs from Broad Street to the City's bike trail adjacent to Tripps Run.

FY 2015–2019 CIP Project – Acquisition of Open Space

Re-approp. Request X New Ongoing X

Department/Division: Recreation and Parks

Description/Justification:

In September 2004, the City Council appointed a Task Force on Open Space Acquisition, and charged this group as follows: "The purpose of the Task Force shall be to identify and prioritize parcels of land that should be preserved as open space; advise the City council on a financial strategy for land acquisition; and develop an implementation plan that will put the City in the most favorable position to act as opportunities appear." The Council Resolution establishing this Task Force articulates the reasons for making the acquisition of open space a high priority for the City. These include: -The Northern Virginia Region continues to grow in population and commercial activity -The Citizens of Falls Church value the quiet and serenity that can be found in its natural areas and recognize the benefit these places have in terms of cleaner air, reduced storm water run-off, and as places for neighbors to come together and enjoy the outdoors. -During the last several decades the City's citizens have participated in the City's planning efforts, and have repeatedly emphasized the value of open space as an important part of their quality of life. In past decades, the City has made significant investments in land for public parks and the time is right to renew its commitment to open space acquisition. Examples of previous purchases include the purchase of what is now Howard E. Herman Stream Valley Park, two parcels of land purchased to increase the size of Crossman Park, the purchase of an easement on property at Lee Street for park access purposes, and a purchase of land to allow Coe Branch and Tripps Run to connect. As a result of the economic downturn, funding for the acquisition of open space was removed from the budget. The amount of \$1,075,000 was designated as bond capable but has not been included in bond resolutions and no longer exists in the CIP budget. This "un-bonded" money expires on June 30, 2014 because of the three year rule. Future uses of these funds would be used to increase current park land, provide parking for Roberts Park, or provide an additional access point to Roberts Park or West End Park. In addition, the number one priority per the Task Force for the past several years has been additional space where we can build additional rectangular playing fields.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house):	\$0
Project Management	
(outsourced):	\$0
Acquisition:	\$2,075,000
Engineering and Design:	\$0
Construction:	\$0
Total Project Cost (all years):	\$2,075,000

Cost Estimate explanation: It has been determined that \$2,000,000 is a meaningful amount of money that will allow us to purchase a worthwhile property in the City of Falls Church. An additional \$2,000,000 is being requested in FY18 to keep the open space with a \$2,000,000 balance. In the event that we spend from the FY15 allocation, it will be requested that FY 18 money is reallocated to keep a \$2,000,000 balance. The amount currently in the open space fund expires June 30, 2014.

	FY06 - FY10	Total Adjusted
Prior Appropriations:	\$3,250,000	\$3,250,000
Unexpended Balance**:	\$1,075,000	\$1,075,000

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2013 for appropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$0	\$0	\$1,075,000	\$0	\$0	\$0		\$1,075,000
Funding Source:								
Grant or other Revenue	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$1,075,000	\$0	\$0	\$1,000,000	\$0	\$2,075,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Set up as revolving fund so always replenished as used; consistent with adopted Open Space report
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Project Schedule:

Dates:

Procurement:	as parcels become available
Engineering and Design:	as parcels become available
Construction:	as parcels become available

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Any new land brought into public ownership by the City will carry with it new operating costs. The calculation of these costs will depend on the acreage and use of the land.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Chapter Six, "Parks, Open Space and Recreation", of the Comprehensive Plan establishes a clear vision for the City with respect to the need for open space and parkland: "The City will conserve and maintain existing parks, open space, recreational facilities, and natural features. Land that is currently designated for parks and open space acquisition will be acquired and the City will continue to provide facilities and programs for active and passive recreational activities, which along with existing and new regional facilities, will meet the needs of all residents and persons working in the City. The City's parkland, open spaces, and greenways network will serve as a functional system within which people will travel to various destinations, recreate, and enjoy nature. This system will also fill the aesthetic and environmental requirements of the City to offset the highly developed nature of privately owned land in our suburban setting."

FY 2015–2019 CIP Project – GMHS Artificial Turf Field Replacement

Re-approp. Request_____

New_____

Ongoing X

Department/Division:

Recreation and Parks *REVISED- timing shifted to FY17; 50/50 split with FCCPS reflected*

Description/Justification:

The synthetic turf field that is located at George Mason High School is the primary competition field used by the schools with secondary use by the Recreation and Parks Department. Prior to installation of the synthetic turf, the previous natural grass field had a maximum 75 uses per year. The synthetic turf field is currently only limited by the number of hours in a day.

The synthetic turf field at George Mason High School was completed in the Fall of 2006. After meeting with a consultant it has been determined that the total life cycle of the field will be a maximum of 9 to 10 years. Maintaining a natural grass Bermuda field over a ten year period would cost more than replacing the synthetic turf every ten years and would result in significantly less access for all entities using the field.

*Total project cost is \$400,000. Recreation and Parks and Falls Church City Public Schools are each requesting half the cost (\$200,000) in FY16 to get the project completed.

It is understood that there will be some debate as to the future of the property this field sits on. However, it should be noted that significant deterioration can be expected leading up to 2016.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house):	\$0
Project Management	
(outsourced):	\$0
Engineering and Design:	\$0
Construction:	\$200,000
Total Project Cost (all years):	\$200,000

Staff has met with a construction company that is currently in the process of replacing 8 to 10 year old synthetic turf fields in the Northern Virginia area. The cost estimate of \$400,000 has been given to staff by this company; FCCPS budgeting \$200K per the 50/50 cost share agreement.

	FY	FY	FY	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

**confirm with Finance

***if no activity per City Charter (Section 6.19) in 3 years note in FY2012 for reappropriation action

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt		\$0	\$0	\$0	\$200,000	\$0	\$0	\$200,000
Total:		\$0	\$0	\$0	\$200,000	\$0	\$0	\$200,000

Overall Match requirement: Cash: _____ In-kind: _____ Ratio: _____	Description:
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Project Schedule:	Dates:
Procurement:	Winter 2017
Engineering and Design:	N/A
Construction:	Summer 2017

Impact on Operating Costs (include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The City of Falls Church Public School System currently maintains the synthetic turf field, so no additional costs would be incurred to the Recreation and Parks Department.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Additional rectangular playing surfaces are the number one goal on the Falls Church Open Space Committee's priority list. The synthetic turf field at George Mason High School currently has the highest usage of all the fields owned by the City of Falls Church. Chapter 6 of the City's Comprehensive plan discusses on numerous occasions the need to maintain and preserve the City's open space.

FY 2015–2019 CIP Project – Arlington WPCP Biosolids Project

Re-approp. Request_____ New X Ongoing__

Department/Division: Public Works

Description/Justification:

The City of Falls Church is a wholesale customer of the Arlington Pollution Control Plant, along with Fairfax County. As an Inter-Jurisdictional partner, the City contributes to Capital Improvements on a cost-share basis according to the City's Reserve capacity at the Plant (0.80 MGD). The Biosolids project will replace various pieces of equipment at the Plant which were installed anywhere from the 1950s to the 1990s, and are beyond their useful life. They require significant amounts of maintenance to keep operable, and could fail permanently at any time. It is necessary for them to be fully-operational to meet the Plant's Class 1 reliability requirement in the permit.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
Project Management
(outsourced): \$0
Engineering and Design: \$45,000
Construction: \$255,000
Total Project Cost (all years): \$300,000

Cost Estimate explanation: Project Cost Estimate and expenditure schedule provided by Arlington County staff.

	Pre-FY12	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SS Debt	\$0	\$0	\$0	\$170,000	\$83,000		\$0	\$253,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$47,000		\$0	\$0	\$0	\$47,000
Match: Cash								
Total:	\$0	\$0	\$47,000	\$170,000	\$83,000	\$0	\$0	\$300,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: Dates:

Procurement:

Engineering and Design: 2015

Construction: 2016-2017

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The sewer rates have been increased to cover the debt required to finance this project.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The upgrade of the Arlington Water Pollution Control Plant meets goals of the Comprehensive Plan's "Community Facilities, Public Utilities and Government Services" chapter such as:

- Ensure that a sufficient level of public facilities utilities services are available to meet the needs of the community
- Identify and prioritize facilities that require upgrading
- Ensure the most efficient and effective management of sanitary sewer systems
- Explore new technology to update and operate the City's utilities system

FY 2015–2019 CIP Project – Arlington WPCP Secondary Clarifiers Upgrade

Re-approp. Request_____ New X Ongoing__

Department/Division: Public Works

Description/Justification:

The City of Falls Church is a wholesale customer of the Arlington Pollution Control Plant, along with Fairfax County. As an Inter-Jurisdictional partner, the City contributes to Capital Improvements on a cost-share basis according to the City's Reserve capacity at the Plant (0.80 MGD). The Secondary Clarifiers project will replace 3 clarifiers at the Plant which were constructed in the mid-1960s and rehabilitated in 2001. These units have inefficient solids collection with limited control over the final solids concentration, and cannot be brought on-line quickly in emergency situations. It is necessary for them to be fully-operational to meet the Plant's Class 1 reliability requirement in the permit.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
 Project Management
 (outsourced): \$0
 Engineering and Design: \$64,500
 Construction: \$365,500
Total Project Cost (all years): \$430,000

Cost Estimate explanation: Project Cost Estimate and expenditure schedule provided by Arlington County staff.

	Pre-FY12	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SS Debt	\$0	\$0	\$0	\$150,000	\$150,000	\$65,000	\$0	\$365,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$65,000	\$0	\$0	\$0	\$0	\$65,000
Match: Cash								
Total:	\$0	\$0	\$65,000	\$150,000	\$150,000	\$65,000	\$0	\$430,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: Dates:

Procurement:

Engineering and Design: 2015

Construction: 2016-2018

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The sewer rates have been increased to cover the debt required to finance this project.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The upgrade of the Arlington Water Pollution Control Plant meets goals of the Comprehensive Plan's "Community Facilities, Public Utilities and Government Services" chapter such as:

- Ensure that a sufficient level of public facilities utilities services are available to meet the needs of the community
- Identify and prioritize facilities that require upgrading
- Ensure the most efficient and effective management of sanitary sewer systems
- Explore new technology to update and operate the City's utilities system

FY 2015–2019 CIP Project – Fairfax Wastewater Treatment Plant Upgrades Phase Re-approp. Request_____ New_____ Ongoing X

Department/Division: Public Works

Description/Justification:

The City of Falls Church is a wholesale customer of the Alexandria Wastewater Treatment Plant, along with Fairfax County. Alexandria’s operating permit issued by the Virginia Department of Environmental Quality (DEQ) expired in 2009. New capital projects, which will continue until 2022, have resulted from lower effluent limits. The City's share of the estimated costs of these improvements is approximately \$6,400,000. A VRA loan in FY11 of \$1,650,000 was issued to pay for expenditures through FY13. Actual expected project expenditures are shown.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
 Project Management
 (outsourced): \$0
 Engineering and Design: \$0
 Construction: \$6,400,000
Total Project Cost (all years): \$0

Cost Estimate explanation: Project Cost Estimate and expenditure schedule provided by Fairfax County staff.

	Pre-FY13	FY13	FY14	Total Adjusted
Prior Appropriations:	\$1,404,425	\$359,000	\$1,025,463	\$2,788,888
Unexpended Balance**:	\$0	\$0	\$729,000	\$729,000

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SS Debt	\$729,000	\$0	\$797,284	\$653,519	\$653,519	\$313,549	\$313,549	\$3,460,420
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$729,000	\$0	\$797,284	\$653,519	\$653,519	\$313,549	\$313,549	\$3,460,420

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: Dates:

Procurement:

Engineering and Design: 2009-2012

Construction: 2012-2022

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The sewer rates have been increased to cover the debt required to finance this project.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The upgrade of the Alexandria Wastewater Plant meets goals of the Comprehensive Plan's "Community Facilities, Public Utilities and Government Services" chapter such as:

- Ensure that a sufficient level of public facilities utilities services are available to meet the needs of the community
- Identify and prioritize facilities that require upgrading
- Ensure the most efficient and effective management of sanitary sewer systems
- Explore new technology to update and operate the City's utilities system

FY 2015–2019 CIP Project – Fairfax Wastewater Treatment Plant Capacity

Re-approp. Request_____ New_____ Ongoing X

Department/Division: Public Works

Description/Justification:

The City currently has 1.0 MGD sanitary sewer treatment capacity from Fairfax County. The projected flows from future development within the City will exceed the current capacity. Based on the future flows, an additional 0.4 MGD capacity will be required. This project will purchase the additional capacity.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$0
 Project Management
 (outsourced): \$0
 Engineering and Design: \$0
 Construction: \$5,600,000
Total Project Cost (all years): \$5,600,000

Cost Estimate explanation: Based on phone conversation with Fairfax County staff on the cost to purchase 0.4 MGD capacity at \$14 million/1 MGD of capacity

	FY12	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SS Debt	\$0	\$0	\$0	\$5,600,000	\$0	\$0	\$0	\$5,600,000
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$0	\$5,600,000	\$0	\$0	\$0	\$5,600,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: _____ Dates: _____

Procurement:

Engineering and Design:

Construction: FY2016

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Associated O&M costs will increase.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The WWTP Capacity Expansion meets goals of the Comprehensive Plan's "Community Facilities, Public Utilities and Government Services" chapter such as:

- Ensure that a sufficient level of public facilities utilities services are available to meet the needs of the community
- Identify and prioritize facilities that require upgrading
- Ensure the most efficient and effective management of sanitary sewer systems
- Explore new technology to update and operate the City's utilities system

FY 2015–2019 CIP Project – Sanitary Sewer Rehabilitation

Re-approp. Request_____ New_____ Ongoing X

Department/Division: Public Works

Description/Justification:

A systematic approach to sewer line rehabilitation is being pursued throughout the City’s sanitary sewer system. Based on consultant recommendations, a 30-year program has been developed. This is an on-going project to slip-line pipes with a process for reconstructing aged, damaged and deteriorated sewer lines. A new cured-in place pipe is formed inside of the existing sewer pipe by using water pressure to install a flexible tube saturated with a liquid thermosetting resin. The water is then heated to harden the resin. This process increases the sewer capacity (due to the smoothness of the new interior surface). It also results in a continuous, tight fitting, pipe-within-a-pipe and reduces infiltration and inflow (I&I). This is a relatively non-invasive and cost-effective process because there is little excavation required. This on-going project, begun in FY2004, will continue until the entire system is rehabilitated. Smoke testing and video inspection are performed to guide the decision process for selecting sewer mains for rehabilitation. In some cases a new sewer main may be a proposed solution to a localized capacity issue.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$16,000
 Project Management
 (outsourced): \$0
 Engineering and Design: \$0
 Construction: \$3,783,775
Total Project Cost (all years): \$3,799,775

Cost Estimate explanation: The cost estimate for construction is provided by Department staff, based on the actual cost of repair or lining performed in past years, and on the Sewer Fund’s ability to support these repairs. The Staff project management is estimated to be \$16,000 based on estimated time for Stormwater Engineers, Superintendent, and Inspector.

	FY12	FY13	FY14	Total Adjusted
Prior Appropriations:	\$400,000	\$613,057	\$450,000	\$1,463,057
Unexpended Balance**:	\$428,755	\$421,513	\$0	\$1,299,775

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SS Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source:								
Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash	\$1,299,775	\$0	\$0	\$550,000	\$600,000	\$650,000	\$700,000	\$3,799,775
Total:	\$1,299,775	\$0	\$0	\$550,000	\$600,000	\$650,000	\$700,000	\$3,799,775

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: _____ Dates: _____

Procurement:

Engineering and Design:

Construction: On-going

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The impact on the sewer reserve fund balance will be offset by programmed sewer rate increases.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

The continued needed maintenance of the sewer system meets goals of the Comprehensive Plan's "Community Facilities, Public Utilities and Government Services" chapter such as:

- Ensure that a sufficient level of public facilities utilities services are available to meet the needs of the community
- Identify and prioritize facilities that require upgrading
- Ensure the most efficient and effective management of water systems

FY 2015–2019 CIP Project – Property Yard Shed & Stormwater Improvements

Department/Division:

Department of Public Works

Re-approp. Request_____

New__X__
(shed reapprop
from WF)

Ongoing____

Description/Justification:

This project will provide operational and regulatory enhancements at the Property Yard by replacing the storage shed (legacy building from the Dale Lumber Yard) which succumbed to excess snow load in February 2010 and install security and operational improvements at the Recycling Center. This project was formerly part of the Water Enterprise Fund but aged out of the CIP. The shed will be replaced and expanded to accommodate spoil materials (e.g., sand, gravel, top soil) - which are currently stored in a makeshift containment unit made of stacked concrete blocks and secured with a tarp and anchors. In addition to operational inefficiencies, this arrangement exposes the material to erosion and washout from wind and rain, and subsequent impacts to water quality. The new shed will also provide a wash bay for oversize vehicles. The Recycling Center improvements consist of installation of three roll-off containers/compactors and installation of security fencing, gate, and cameras.

This project will prevent the washout of materials, trash, and washwater into the storm sewer system and address existing deficiencies in Good Housekeeping standards as identified by the EPA and Virginia DEQ.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house):	\$40,000
Project Management	
(outsourced):	\$90,000
Engineering and Design:	\$160,000
Equipment:	\$90,000
Construction:	\$560,000
Total Project Cost (all years):	\$940,000

Cost Estimate explanation: Staff time included office coordination, engineer review, and project implementation for 160 hours and is included in the proposed stormwater budget. Engineering and Design vs Construction costs are based on approximate 20/80 split of estimated project expenditures in this 5-year period. Cost estimates are very preliminary as prepared by staff. Certified cost estimates to be obtained following completion of master development plan.

	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>Total Adjusted</u>
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

***if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SW Debt	\$0	\$0	\$160,000	\$780,000	\$0	\$0	\$0	\$940,000
Funding Source:								
Grant	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$160,000	\$780,000	\$0	\$0	\$0	\$940,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule:	Dates:
Procurement:	Summer 2014
Engineering and Design:	Fall 2014
Construction:	Summer 2015

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

The City's Property Yard is identified by Virginia DEQ as the number one hotspot for potential stormwater pollutant sources. With this determination it is likely the facility will be audited at some point in the next five years. Failure to show progress on water quality improvement projects identified in the 2010 Stormwater Pollution Prevention Plan for the Property Yard could result in fines. Other jurisdictions have seen fines between \$50K to \$150K based on the severity of violations.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Improving City facilities meets Comprehensive Plan goals found in the "Community Facilities, Public Utilities and Government Services" chapter as well as those goals found in Chapter 5, "Natural Resources and the Environment". This project is consistent with the City Council's Vision and strategic Plan for World Class Government and Public Outreach and Environmental Harmony. This project was also identified in the City's MS4 as part of the 2010 Stormwater Pollution Prevention Plan for the Property Yard.

FY 2015–2019 CIP Project – Four Mile Run Retaining Wall

Re-approp. Request_____ New__X__ Ongoing____

Department/Division: Public Works

Description/Justification:

The Department of Public Works has identified an erosion problem and possible structural deficiency in the soldier pile retaining wall located along Four Mile Run at 551 North Washington Street (Swedish Motorcars property). The retaining wall is losing backfill due to stream scour, which causes settlement in the parking lot of Swedish Motorcars and a sag in a gravity sewer main that runs parallel to the wall. A structural investigation and analysis is underway to determine alternatives for repair, or in worst case, replacement of approximately 500 linear feet of 15'-20' high wall along with stream channel stabilization.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$20,000
Project Management
(outsourced): \$100,000
Engineering and Design: \$200,000
Construction: \$800,000
Total Project Cost (all years): \$1,120,000

Cost Estimate explanation: Staff time included office coordination, engineer review, and project implementation for 80 hours and is included in the proposed stormwater budget. Engineering and Design vs Construction costs are based on 20/80 split of estimated project expenditures in this 5-year period (cost is a placeholder until analysis is complete, delivery expected Spring 2014).

	FY12	FY13	FY14	Total Adjusted
Prior Appropriations:	\$0	\$0	\$0	\$0
Unexpended Balance**:	\$0	\$0	\$0	\$0

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: SW Debt	\$0	\$0	\$0	\$0	\$0	\$220,000	\$900,000	\$1,120,000
Funding Source:								
Grant	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Match: Cash								
Total:	\$0	\$0	\$0	\$0	\$0	\$220,000	\$900,000	\$1,120,000

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule:	Dates:
Procurement:	Fall 2014
Engineering and Design:	Winter 2014
Construction:	Summer 2015

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Improvements to mitigate erosion and the loss of soil behind the wall would decrease operating costs. Staff currently spends time, equipment, and backfill materials annually to patch the sinkhole behind the retaining wall on the Swedish Motorcars site and inspecting the condition of the impacted sewer main.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Repairing inadequate storm water systems meets Comprehensive Plan goals found in the “Natural Resources and the Environment” and “Community Facilities, Public Utilities and Government Services” chapters. Relevant Comprehensive Plan goals include:

- Determine whether existing public facilities require renovation
- Identify and prioritize facilities and programs in the greatest need of upgrading
- Ensure the adequacy of the City’s present and future storm water management systems

FY 2015–2019 CIP Project – Stormwater Facilities Reinvestments

Re-approp. Request _____ New _____ Ongoing X

Department/Division: Public Works

Description/Justification:

The Department of Public Works maintains over 140,000 linear feet of storm lines and approximately 1,400 appurtenances. In many parts of the city, the system is nearing the end of its service life or is undersized and unable to convey the industry standard 10-year storm event. These deficiencies result in frequent flooding along streets and on private property. In addition to these water quantity concerns associated with conveyance, the City is a storm water permittee with the Virginia Department of Conservation and Recreation. The permit obligates compliance with Federal and State Clean Water Act requirements due to water quality concerns in our watershed. Virginia's Chesapeake Bay TMDL Watershed Implementation Plan outlines the level of effort required by the City to comply and ultimately meet water quality goals. It appears that the City's obligation to meet the Chesapeake Bay TMDL will require over \$15 million in expenditures prior to 2025. The CIP proposed addresses immediate stormwater infrastructure needs as outlined in the Council-adopted Watershed Management Plan and in responds to critical infrastructure projects as they arise. However, the infrastructure needed to meet the City's TMDL obligation through FY2019 as well as reinvestments into the City's aging conveyance infrastructure will need additional funding in out years.

Project Cost Estimate:

(Provide breakdown of Project Management, Design and Engineering, Construction; for on-going projects, include funds appropriated in prior years; include source of cost estimates)

Staffing (in-house): \$500,000
 Project Management
 (outsourced): \$288,002
 Engineering and Design: \$432,000
 Construction: \$2,160,000
Total Project Cost (all years): \$3,380,002

Cost Estimate explanation: Staff time (1 FTE / year for 5-years at \$100K for \$500K) which is included in the proposed stormwater budget. This 1 FTE is comprised of several positions: Engineer, Inspector and GIS Position. Engineering and Design vs Construction costs are based on an approximate 20/80 split of estimated project expenditures in this 5-year period.

	FY13	FY14		Total Adjusted
Prior Appropriations:	\$1,200,000	\$1,800,000	\$0	\$3,000,000
Unexpended Balance**:	\$580,002	\$1,800,000	\$0	\$2,380,002

***confirm with Finance*

****if no activity per City Charter (Section 6.19) in 3 years note in FY2014 for reappropriation action*

Future Funding Needs:

	Available Funding	FY2014***	FY2015	FY2016	FY2017	FY2018	FY2019	Total
Funding Source: Local Debt	\$2,378,842	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$3,378,842
Funding Source:								
Grant	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Funding Source: Local	\$1,160	\$0	\$0	\$0	\$0	\$0	\$0	\$1,160
Match: Cash								
Total:	\$2,380,002	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$3,380,002

Overall Match requirement: Cash:_____ In-kind:_____ Ratio:_____	Description:
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Project Schedule: Dates:

Procurement:	Ongoing
Engineering and Design:	Ongoing
Construction:	Ongoing

Impact on Operating Costs (highlight increases or decreases for on-going operations and include equipment, supplies, personnel impacts; specify if a companion initiative will be submitted):

Over time, improvements to storm water infrastructure can be expected to decrease operating costs, as staff time and equipment dedicated to addressing clogs, repairs, and malfunctions is reduced.

Conformity with Comprehensive Plan and Council Strategic Plan (include reference to additional adopted planning/policy documents):

Repairing inadequate storm water systems meets Comprehensive Plan goals found in the “Natural Resources and the Environment” and “Community Facilities, Public Utilities and Government Services” chapters. Relevant Comprehensive Plan goals include:

- Determine whether existing public facilities require renovation
- Identify and prioritize facilities and programs in the greatest need of upgrading
- Ensure the adequacy of the City’s present and future storm water management systems

Conforms with the 2012 adopted Watershed Management Plan